



Remediation Summary and Closure Report

August 25, 2025

State J 2 #017
30-025-33277
Incident #nSAP0225252743 and
Incident #nAPP2511834534
Lease B0-1534
Lea County, New Mexico

Prepared For:

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

Cynthia K. Crain, P.G.



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1.0 Introduction

On behalf of Southwest Royalties, Inc. (SWR), Crain Environmental (CE) has prepared this Remediation Summary and Closure Report for historical releases at the State J 2 #017 (Site), located in Unit Letter I, Section 2, Township 22 South, Range 36 East, Lea County, New Mexico, at Global Positioning Coordinates (GPS) 32.4172592, -103.2306595. The property surface rights are owned by the State of New Mexico (Lease BO-1534).

The State J 2 #017 is located approximately 4.5 miles southwest of Eunice, New Mexico, in an area of oil and gas activity and cattle grazing. The Site can be accessed by traveling south from Eunice, New Mexico on Legion Road for 3 miles to Delaware Basin Road. Travel west on Delaware Basin Road for 2.74 miles and turn north on the lease road. Travel north for 1.27 miles to the Site. There are no locked gates or other access issues. The attached Figure 1 shows the Site location.

2.0 Background

At the request of the New Mexico State Land Office (NMSLO) Environmental Compliance Office (ECO), a soil investigation was conducted on the well pad where historical aerial photos indicated a past release, and at the tank battery where an open New Mexico Oil Conservation Division (NMOCD) Incident (#nSAP0225252743) was located.

The soil investigation indicated that a historical release had occurred east of the wellhead, and a Notification of Release (NOR) was submitted to the NMOCD on April 28, 2025. Incident #nAPP2511834534 was assigned to the release.

On April 30, 2025, a Site Characterization Report and Remediation Workplan was submitted to NMOCD and ECO for Incident #s nSAP0225252743 and nAPP2511834534. The Workplan for each Incident # was approved by the NMOCD on May 27, 2025.

This Remediation Summary and Closure Report has been prepared in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC) and is being submitted for Incident #s nSAP0225252743 and nAPP2511834534 on the due date of August 25, 2025.

3.0 NMOCD Closure Criteria

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

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).



- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

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

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there is one water well located within a 0.5-mile radius of the Site (CP 00761 POD 1) and no depth to groundwater is provided. Two water wells (CP 00763 and L 09966) are located within a 1-mile radius of the Site, and a depth to groundwater for each well is reported to be greater than 50' below ground surface (bgs).

No surface water was present in the area at the time of Site assessment activities, and vegetation is sparse. The United States Fish & Wildlife Service (USFWS) National Wetlands Inventory Map shows a Riverine located approximately 80 feet from the southwest corner of the Site. The Riverine is considered by the USFWS to be an intermittent streambed that is intermittently flooded.

Figure 2 provides a wellhead protection area map that shows the location of the water well within a 0.5-mile radius of the Site. Figure 3 provides a USFWS map. Appendix A provides a copy of the NMOSE Point of Diversion Summary for well CO 00761 POD 1.

As the Riverine is located approximately 80 feet from the southwest corner of the well pad, the most stringent Closure Criteria will be applicable for the Site.

3.2 Surface Features and Other Development

CE reviewed recent aerial photographs, topographic maps, the NMOSE Point of Discharge (POD) GIS website, and information available from the Lea County, New Mexico Central Appraisal District website. As shown on Figure 1, the Site is 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 aerial map (Figure 3).



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

3.3 Wetlands, Floodplain, and Karst Geology

A review of the USFWS wetlands map indicated the Site is not located within 300 feet of a wetland but is located within 80 feet of a Riverine. The New Mexico BLM karst potential map indicates the Site is located within a "low karst potential" area. Finally, 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. Figures 3, 4, and 5 depict the USFWS map, the karst potential map, and the FEMA floodplain map respectively.

3.4 Closure Criteria Applicable to the Site

Based on the presence of a Riverine located approximately 80 feet from the southwest corner of the well pad, the most stringent Closure Criteria will be applicable to the Site. 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 are provided on Figure 6.

4.2 Depth to Groundwater

As discussed in Section 3.1, a depth to groundwater is thought to be greater than 50' bgs; however, a Riverine is located approximately 80 feet from the southwest corner of the well pad. The assumed depth to groundwater will be less than 50' bgs.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 2. 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

As all sample locations were in areas that were previously disturbed, compliance with the Cultural Properties Protection (CPP) Rule did not apply, and an Archaeological Survey was not completed prior to the soil investigation. A biological desktop review was conducted, and no sensitive wildlife or plant species were found in proximity to the subject Site. A copy of the U.S. Fish & Wildlife Service database review is included as Appendix B.

5.1 Remediation Results – Incident #nAPP2511834534

Following approval of the Site Characterization Report and Remediation Workplan on May 27, 2025, excavation was conducted until five-point composite samples were collected from the bottom (B-1 through B-15) and sidewalls (S-1 through S-13) of the excavation on July 24, 2025.

All confirmation samples 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 8015 Modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chlorides by EPA Method 300.0.

Table 1 provides a summary of the laboratory results. Figure 5 shows the sample locations. The laboratory report and chain-of-custody documentation is included as Appendix C. A photographic log that documents assessment activities is included as Appendix D.

Referring to Table 1, concentrations of benzene and total BTEX were reported below the test method detection limits or Closure Criteria in each sample. Concentrations of TPH were reported above the Closure Criteria in sidewall samples S-1 (188 mg/kg), S-2 (148 mg/kg), S-6 (119 mg/kg), S-10 (251 mg/kg), S-11 (297 mg/kg), S-12 (591 mg/kg), and bottom samples B-3 (679 mg/kg), B-4 (676 mg/kg), B-5 (2,480 mg/kg), B-12 (132 mg/kg), and B-13 (203 mg/kg). Concentrations of chlorides were reported below the Closure Criteria in all samples except bottom sample B-5 (879 mg/kg).

Excavation continued at sample locations reporting exceedances until five-point composite samples were collected on August 7, 2025, from each location. All confirmation 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 5 shows the sample locations. The laboratory report and chain-of-custody documentation is included as Appendix C. A photographic log that documents assessment activities is included as Appendix D.

Referring to Table 1, all final samples collected from the sidewalls and bottom of the excavation reported TPH, BTEX, and chloride concentrations below the Closure Criteria.

The final excavation covered a surface area of 2,193 square feet (ft²).



5.2 Remediation Results – Incident #nSAP0225252743

Following approval of the Site Characterization Report and Remediation Workplan on May 27, 2025, excavation was conducted until five-point composite samples were collected from the bottom (B-1 and B-2) and sidewalls (S-1 through S-9) of the excavations on July 24, 2025.

All confirmation 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 5 shows the sample locations. The laboratory report and chain-of-custody documentation is included as Appendix C. A photographic log that documents assessment activities is included as Appendix D.

Referring to Table 1, concentrations of benzene and total BTEX were reported below the test method detection limits or Closure Criteria in each sample. Concentrations of TPH were reported above the Closure Criteria in sidewall samples S-5 (2,870 mg/kg), S-7 (164 mg/kg), S-8 (121 mg/kg), and bottom sample B-1 (121 mg/kg). Concentrations of chlorides were reported above the Closure Criteria in sidewall samples S-1 (1,600 mg/kg) and S-4 (1,350 mg/kg).

Excavation could not be continued at sidewall sample points S-1, S-4, and S-5 because of the proximity to active storage tanks and steel piping. Horizontal delineation of TPH, BTEX, and chloride concentrations is provided by sample points S-2, S-3, S-6, and S-9, and vertical delineation of TPH, BTEX, and chloride concentrations is provided by sample point B-2. The concentrations of TPH and chloride remaining in place do not pose an imminent risk to human health, the environment, or groundwater, as the source of the release has been repaired, and a major portion of affected soil has been removed.

Pursuant to 19.15.29.12 (C) (2) NMAC, Southwest Royalties respectfully requests the deferral of final remediation below the storage tanks and steel piping until time of abandonment of the tank battery.

Excavation was continued at sidewall sample locations S-7 and S-8 and bottom sample B-1 until five-point composite samples were collected on August 7, 2025, from each of those locations. All confirmation 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 5 shows the sample locations. The laboratory report and chain-of-custody documentation is included as Appendix C. A photographic log that documents assessment activities is included as Appendix D.

Referring to Table 1, all final samples collected from the sidewalls and bottom of the east excavation reported TPH, BTEX, and chloride concentrations below the Closure Criteria.

The final west excavation covered a surface area of 147 ft² and the final east excavation covered a surface area of 105 ft².



From June 30 to July 7, 2025, 280 cubic yards (cy) of soil excavated from both Incident excavations were hauled to Lea Land, LLC Surface Waste Landfill (Lea Land) for disposal, and on August 25, 2025, an additional 52 cy of soil from both Incident excavations were hauled to Lea Land. A total of 332 cy of soil excavated from both Incident areas were hauled to disposal. Waste Manifests are provided in Appendix E.

5.3 Laboratory Analytical Data Quality Assurance/Quality Control Results

Laboratory data in Report Numbers 880-60810-1, 880-61300-1, 880-60809-1, and 880-61299-1 generated by Eurofins, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided as Appendix C.

6.0 Closure and Deferral Request

A combined total of 332 cy of soil from Incident #s nSAP0225252743 and nAPP2511834534 were excavated and hauled to disposal at Lea Land.

All confirmation samples collected from the bottom and sidewalls of the excavation associated with **Incident # nAPP2522834534** reported TPH, Benzene, BTEX, and chloride concentrations below the NMOCD Closure Criteria, and the final excavation covered a surface area of 2,193 ft². Southwest Royalties respectfully requests NMOCD Closure of **Incident # nAPP2522834534**.

All impacted soil that could be safely removed from the tank battery area at **Incident # nSAP0225252743** was excavated and disposed. The final west excavation covered a surface area of 147 ft² and the final east excavation covered a surface area of 105 ft².

Excavation could not be continued at sidewall sample points S-1, S-4, and S-5 because of the proximity to active storage tanks and steel piping. Horizontal delineation of TPH, BTEX, and chloride concentrations is provided by sample points S-2, S-3, S-6, and S-9, and vertical delineation of TPH, BTEX, and chloride concentrations is provided by sample point B-2. The concentrations of TPH and chloride remaining in place do not pose an imminent risk to human health, the environment, or groundwater as the source of the release has been repaired, and a major portion of affected soil has been removed.

Pursuant to 19.15.29.12 (C) (2) NMAC, Southwest Royalties respectfully requests the deferral of final remediation below the storage tanks and steel piping until time of abandonment of the tank battery.

Upon NMOCD and ECO approval of this Closure Report for each Incident #, the excavations will be backfilled to grade with non-impacted similar material obtained for a nearby source. Prior to use, a five-point composite sample will be collected from the backfill material, and will be analyzed for TPH, BTEX, and chlorides.



Pursuant to 19.15.29.13 NMAC, the impacted surface areas will be restored to pre-release conditions. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.

7.0 Distribution

Copy 1: Environmental Compliance Office
ECO@nmslo.gov



TABLES

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS FROM EXCAVATION
SOUTHWEST ROYALTIES, INC.
STATE J 2 #017
INCIDENT #nAPP2511834534 (Well Pad)

Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria							100	10	-	-	-	50	600
Confirmation Sidewall Samples													
S-1	07/24/25	0-1.5'	Excavated	<14.5	188	<15.1	188	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	38.4
S-1	08/07/25	0-1.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00198	0.00158 J	<0.00227	<0.00227	5.15 J
S-2	07/24/25	0-1.5'	Excavated	<14.5	148	<15.1	148	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	97.6
S-2	08/07/25	0-1.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00198	0.00126 J	<0.00226	<0.00226	4.23 J
S-3	07/24/25	0-1.5'	In Situ	<14.5	63.8	<15.1	63.8	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	16.4
S-4	07/24/25	0-1.5'	In Situ	<14.4	<15.0	<15.0	<15.0	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	23.9
S-5	07/24/25	0-1.5'	In Situ	<14.5	27.2 J	<15.1	27.2 J	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	7.44 J
S-6	07/24/25	0-1.5'	Excavated	<14.5	119	<15.1	119	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	19.8
S-6	08/07/25	0-2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	0.00138 J	<0.00229	<0.00229	3.55 J
S-7	07/24/25	0-4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	55.5
S-8	07/24/25	0-4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	7.74 J
S-9	07/24/25	0-4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	10.6
S-10	07/24/25	0-4'	Excavated	<14.5	251	<15.1	251	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	7.94 J
S-10	08/07/25	0-4.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	3.98 J
S-11	07/24/25	0-4'	Excavated	<14.5	297	<15.1	297	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	7.21 J
S-11	08/07/25	0-4.5'	In Situ	<14.5	17.8 J B	18.0 J	35.8 J	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	3.00 J
S-12	07/24/25	0-4'	Excavated	<14.5	591	<15.1	591	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	6.61 J
S-12	08/07/25	0-4.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00202	0.00158 J	<0.00230	<0.00230	3.09 J
S-13	07/24/25	0-3'	In Situ	<14.5	82.0	<15.1	82.0	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	15.7
Confirmation Bottom Samples													
B-1	07/24/25	1.5'	In Situ	<14.5	15.2 J	<15.1	15.2 J	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	14.8
B-2	07/24/25	1.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	10.1
B-3	07/24/25	1.5'	Excavated	<14.5	679	<15.1	679	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	493
B-3	08/07/25	2'	In Situ	<14.5	18.1 J B	17.0 J	35.1 J	<0.00138	<0.00199	0.00154 J	<0.00227	<0.00227	4.38 J
B-4	07/24/25	1.5'	Excavated	<14.5	676	<15.1	676	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	10.7
B-4	08/07/25	2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	4.20 J
B-5	07/24/25	1.5'	Excavated	<14.5	2,480	<15.1	2,480	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	879
B-5	08/07/25	2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	0.00187 J	<0.00229	<0.00229	3.43 J
B-6	07/24/25	1.5'	In Situ	<14.5	31.3 J	<15.1	31.3 J	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	17.4
B-7	07/24/25	1.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	55.3
B-8	07/24/25	3'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	5.88 J
B-9	07/24/25	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	10.5
B-10	07/24/25	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	8.03 J
B-11	07/24/25	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	6.48 J
B-12	07/24/25	4'	Excavated	<14.5	132	<15.1	132	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	9.87 J
B-12	08/07/25	4.5'	In Situ	<14.5	<15.1	18.7 J	18.7 J	<0.00139	<0.00200	0.00195 J	<0.00229	<0.00229	4.33 J
B-13	07/24/25	4'	Excavated	<14.5	203	<15.1	203	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	13.9
B-13	08/07/25	4.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	0.00220	<0.00229	<0.00229	3.30 J
B-14	07/24/25	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	5.80 J
B-15	07/24/25	4'	In Situ	<14.5	99.2	<15.1	99.2	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	4.23 J

Notes:

1. GRO: Gasoline Range Organics
2. DRO: Diesel Range Organics
3. MRO: Motor Oil Range Organics
4. -: No NMOCD Closure Criteria established.
5. bgs: Below Ground Surface
6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.
7. < indicates the COC was below the appropriate laboratory method/sample detection limit.
8. Bold and yellow highlighting indicates the COC was above the appropriate NMOCD Closure Criteria.
9. Green highlighting and italic font indicates soil was excavated, sprayed with Microblaze, and returned to excavation.
10. J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
11. B: Compound was found in the blank and sample.

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS FROM EXCAVATION
SOUTHWEST ROYALTIES, INC.
STATE J 2 #017
INCIDENT #nSAP0225252743 (Tank Battery)

Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria							100	10	-	-	-	50	600
Confirmation Sidewall Samples													
S-1	07/24/25	0-4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	1,600 F1
S-2	07/24/25	0-4'	In Situ	<14.6	<15.2	<15.2	<15.2	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	471
S-3	07/24/25	0-4'	In Situ	<14.5	50.0 J	<15.1	50.0 J	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	538
S-4	07/24/25	0-4'	In Situ	<14.5	49.5 J	<15.1	49.5 J	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	1,350
S-5	07/24/25	0-4'	In Situ	<72.6	2,870	<75.6	2,870	<0.00140	<0.00201	<0.00109	0.00558	0.00508	551
S-6	07/24/25	0-4'	In Situ	<14.5	47.3 J	<15.1	47.3 J	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	10.3
S-7	07/24/25	0-4'	Excavated	<14.5	164	<15.1	164	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	113
S-7	08/07/25	0-6.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	6.13 J F1
S-8	07/24/25	0-4'	Excavated	<14.5	121	<15.1	121	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	8.87 J
S-8	08/07/25	0-6.5'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	4.72 J
S-9	07/24/25	0-4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	20.7
Confirmation Bottom Samples													
B-1	07/24/25	6'	Excavated	<14.5	121	<15.1	121	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	10.7
B-1	08/07/25	6.5'	In Situ	<14.4	<15.0	15.1 J	15.1 J	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	4.00 J
B-2	07/24/25	9'	In Situ	<14.5	34.4 J	<15.1	34.4 J	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	4.69 J

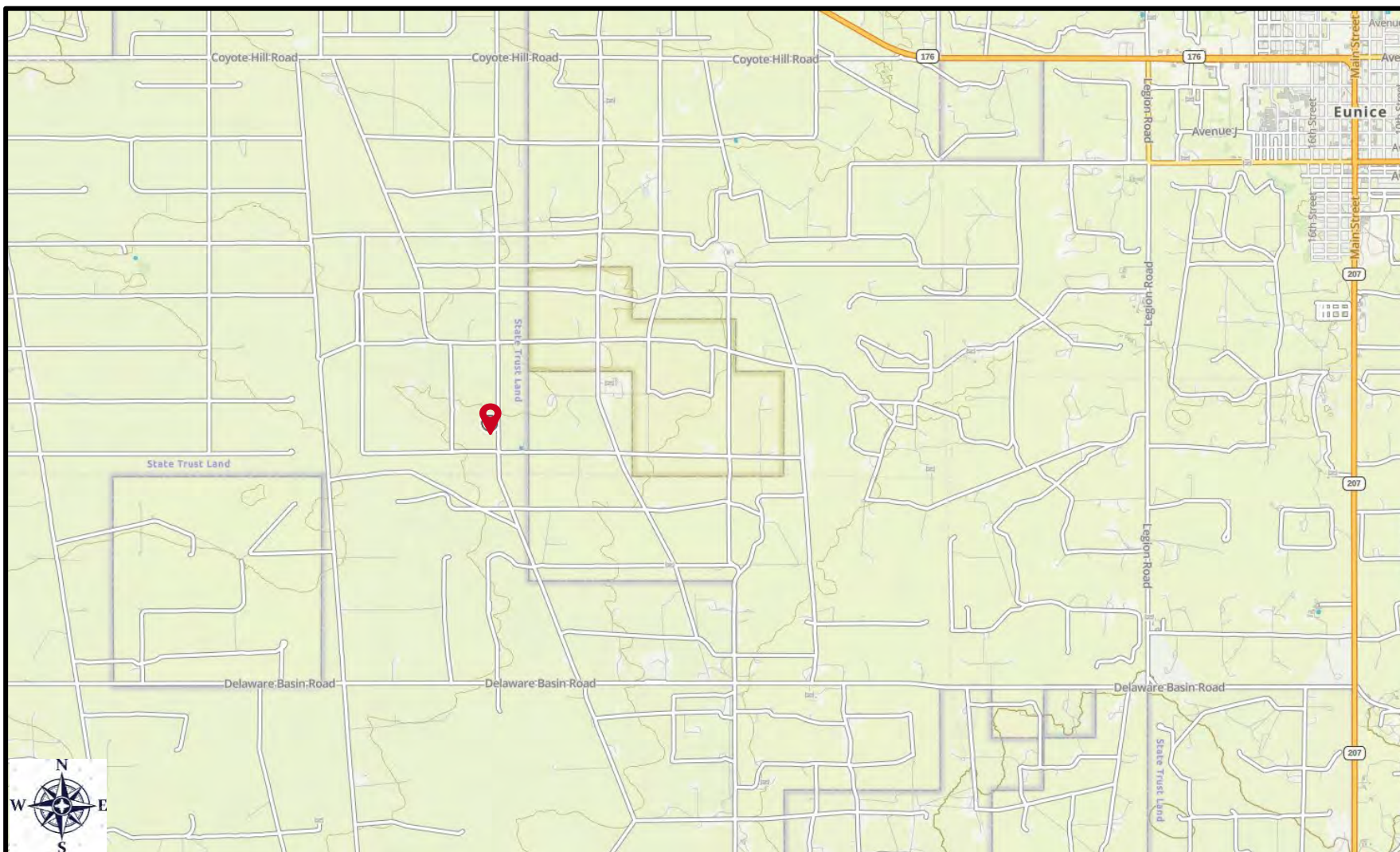
Notes:

1. GRO: Gasoline Range Organics
2. DRO: Diesel Range Organics
3. MRO: Motor Oil Range Organics
4. -: No NMOCD Closure Criteria established.
5. bgs: Below Ground Surface
6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.
7. < indicates the COC was below the appropriate laboratory method/sample detection limit.
8. Bold and yellow highlighting indicates the COC was above the appropriate NMOCD Closure Criteria.
9. Green highlighting and italic font indicates soil was excavated, sprayed with Microblaze, and returned to excavation.
10. J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
11. F1: MS and/or MSD recovery exceeds control limits.

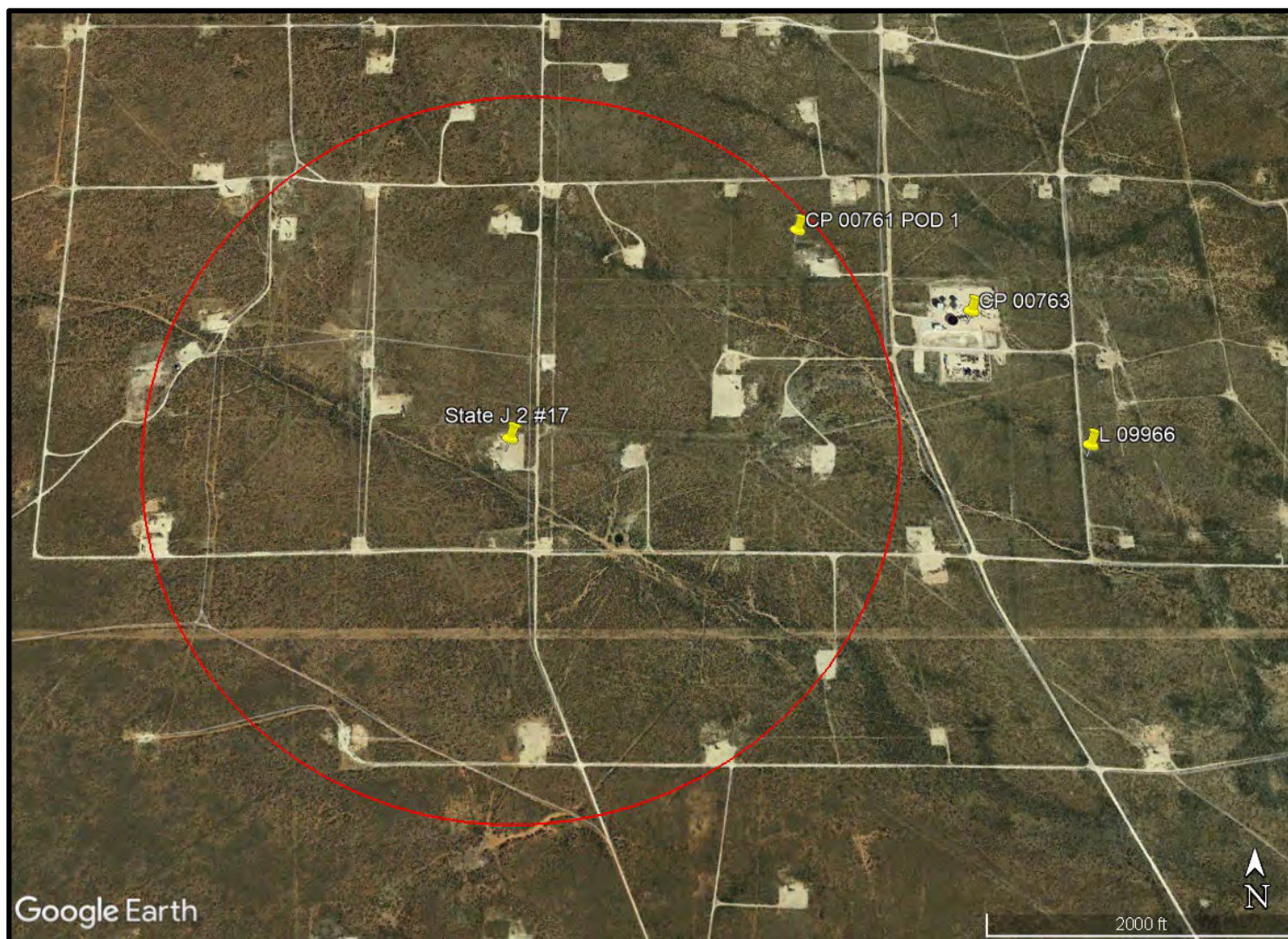
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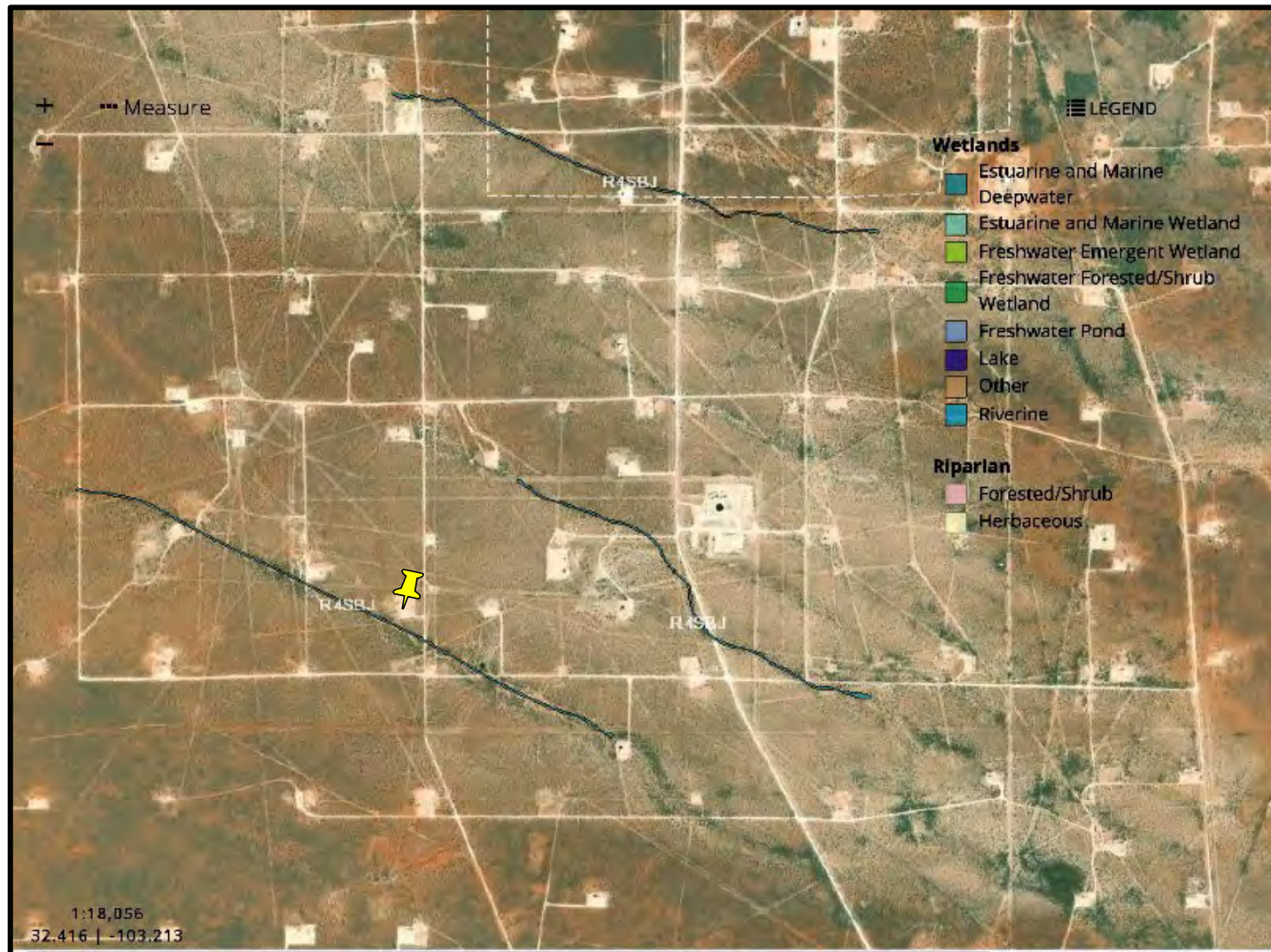
FIGURES



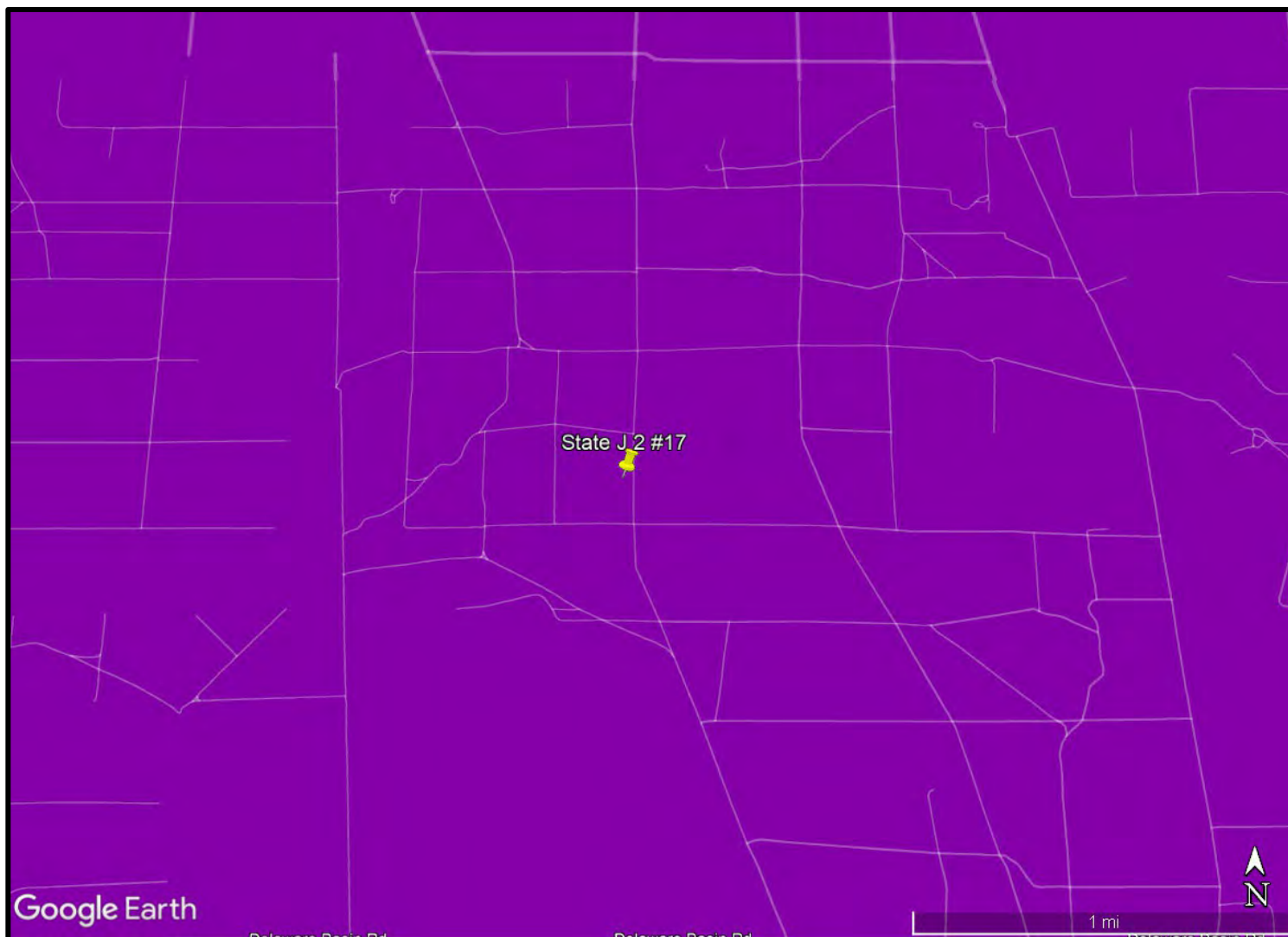
LEGEND:  Site Location	Figure 1 Site Location Map Southwest Royalties, Inc. State J 2 #017 Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: Feb. 6, 2025	
		GPS: 32.4172592° -103.2306595°	
		Base Map from GAIA Topo	



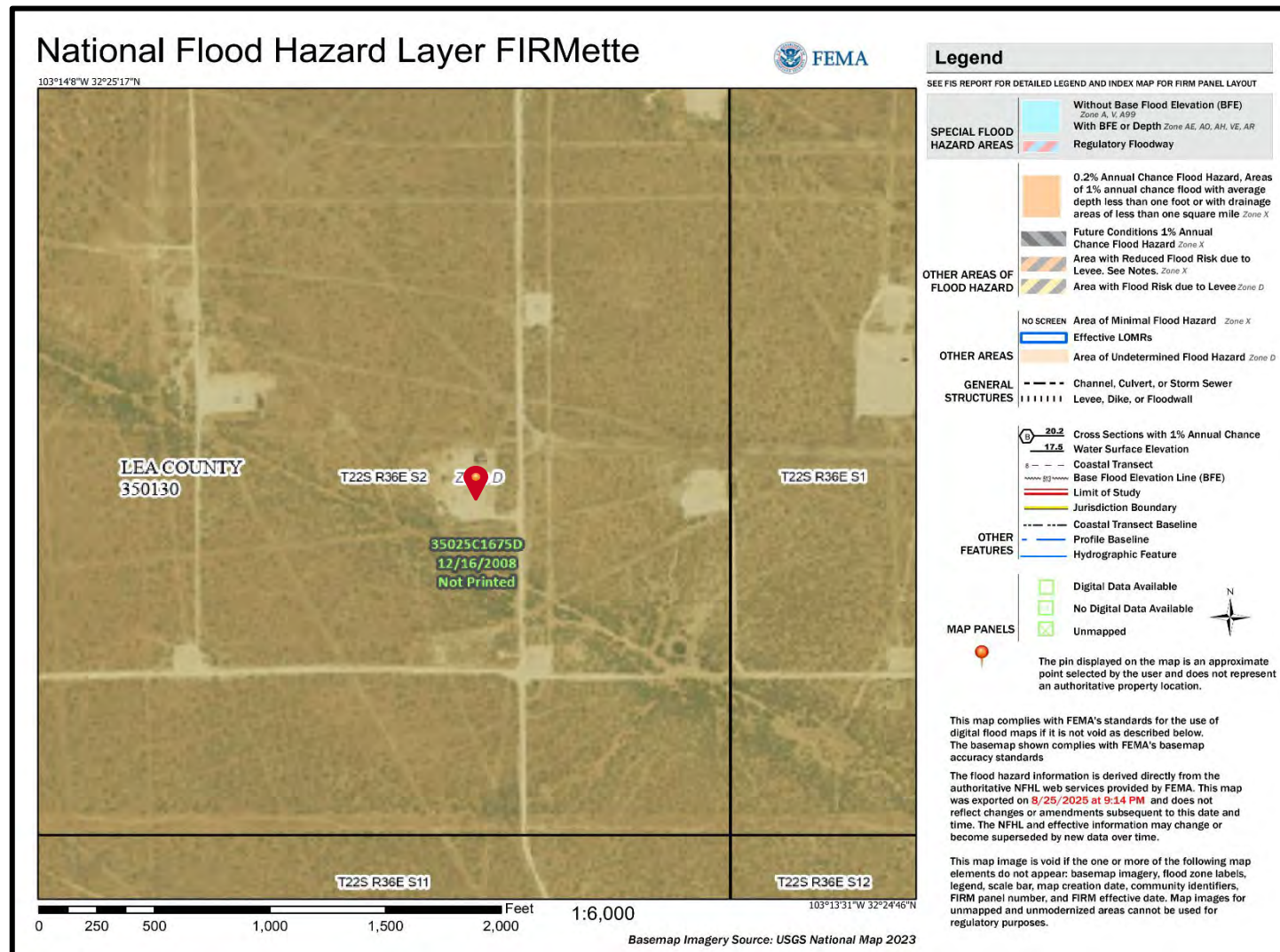
LEGEND:  Site and Water Well Locations  0.5-Mile Radius Base map from Google Earth Pro	Figure 2 Wellhead Protection Area Map Southwest Royalties, Inc. State J 2 #017 Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: April 6, 2025	
		GPS: 32.4172592° -103.2306595°	



LEGEND:  Site Location Base map from US Fish & Wildlife Service	Figure 3 National Wetland Inventory Map Southwest Royalties, Inc. State J 2 #017 Lea County, New Mexico	Drafted by: CC Checked by: CC Draft: April 6, 2025 GPS: 32.4172592° -103.2306595°	
--	---	--	--



LEGEND: Low Karst Potential Medium Karst Potential High Karst Potential Base map from Google Earth Pro and BLM	Figure 4 Karst Potential Map Southwest Royalties, Inc. State J 2 #017 Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: April 6, 2025	
		GPS: 32.4172592° -103.2306595°	

**LEGEND:**

Site Location

Figure 5
FEMA Floodplain Map
Southwest Royalties, Inc.
State J 2 #017
Lea County, New Mexico

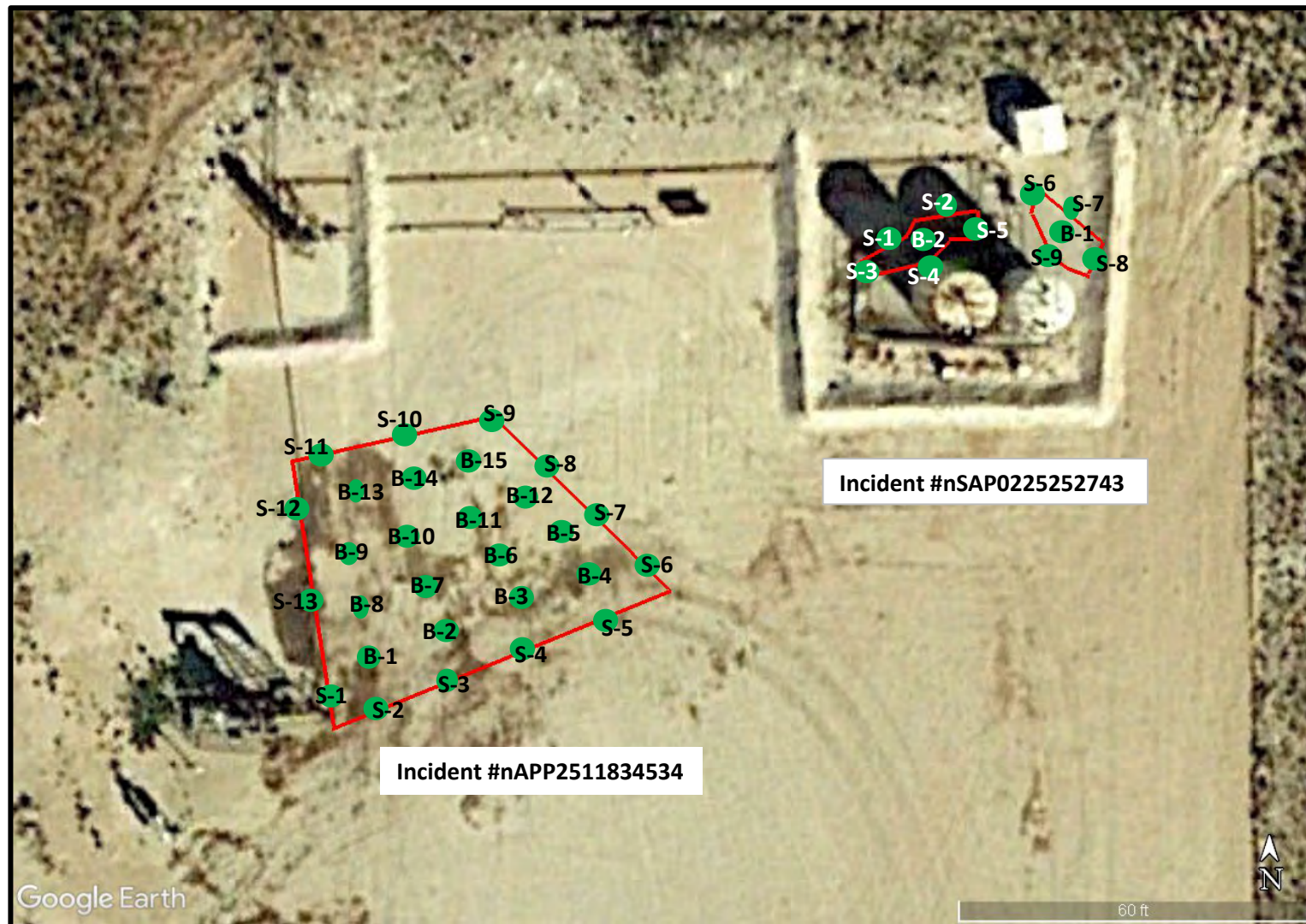
Drafted by: CC | Checked by: CC

Draft: August 25, 2025

GPS: 32.4172592° -103.2306595°

Base Map from FEMA



**Figure 6**

Sample Location Map

Southwest Royalties, Inc.
State J 2 #017
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: Aug. 24, 2025

GPS: 32.4172592° -103.2306595°

Base Map from Google Earth (2017)





Appendix A: NMOSE Point of Diversion Summary

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest
NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00761 POD1	SE	SW	NW	01	22S	36E	666964.0	3588569.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	1612	Driller Company:	CAPSTAR DRILLING, L.P.
Driller Name:	WILSON S. MCCLURY		
Drill Start Date:	1991-09-22	Drill Finish Date:	1992-01-07
Log File Date:	1994-08-16	PCW Rcv Date:	1994-08-16
Pump Type:	SUBMER	Pipe Discharge Size:	4
Casing Size:	8.63	Depth Well:	5000
		Depth Water:	

Water Bearing Stratifications:

Top	Bottom	Description
4080	5000	Limestone/Dolomite/Chalk

Meter Information

Meter Number:	10252	Meter Make:	HALLIBURTON
Meter Serial Number:	4SBF2540	Meter Multiplier:	1.0000
Number of Dials:	9	Meter Type:	Diversion
Unit of Measure:	Barrels 42 gal.	Reading Frequency:	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2005-12-31	2005	0.000	A	RPT		0.000	
2006-03-31	2006	0.000	A	RPT		0.000	
2006-06-30	2006	0.000	A	RPT		0.000	
2006-10-30	2006	0.000	A	RPT		0.000	
2006-12-31	2006	0.000	A	RPT		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2014-03-31	2014	0.000	A	RPT		0.000	
2014-06-30	2014	0.000	A	RPT		0.000	

YTD Meter Amounts:

Year	Amount
2005	0.000
2006	0.000
2014	0.000

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.

4/30/25 12:04 AM MST

Point of Diversion Summary



Appendix B: Biological Desktop Review

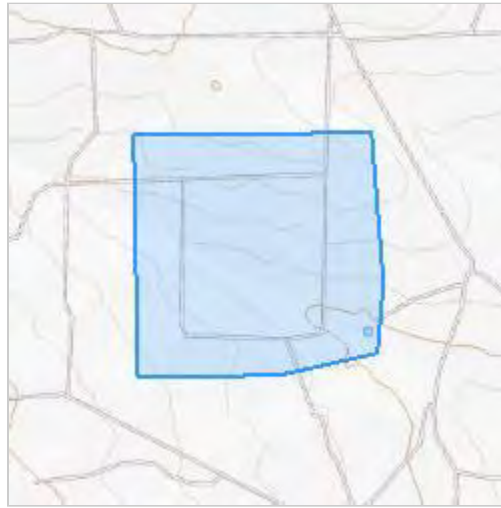
Project code: 2025-0079048

04/06/2025 05:53:43 UTC

PROJECT SUMMARY

Project Code: 2025-0079048
Project Name: State J 2 #017
Project Type: Non-NPL Site Remediation
Project Description: Soil remediation
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.4174195,-103.23131530779142,14z>



Counties: Lea County, New Mexico

Project code: 2025-0079048

04/06/2025 05:53:43 UTC

BIRDS

NAME	STATUS
Lesser Prairie-chicken <i>Tympanuchus pallidicinctus</i> Population: Southern DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1924	Endangered
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923	Experimental Population, Non- Essential

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.



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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/30/2025 10:01:16 AM

JOB DESCRIPTION

State J 2 #17
Lea Co. NM

JOB NUMBER

880-60810-1

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
7/30/2025 10:01:16 AM

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

Client: Crain Environmental
Project/Site: State J 2 #17

Laboratory Job ID: 880-60810-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: State J 2 #17

Job ID: 880-60810-1

Job ID: 880-60810-1

Eurofins Midland

Job Narrative 880-60810-1

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 7/25/2025 1:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-5 (880-60810-5), B-8 (880-60810-8), B-9 (880-60810-9), B-10 (880-60810-10), B-12 (880-60810-12), B-14 (880-60810-14) and S-5 (880-60810-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-9 (880-60810-24) and S-11 (880-60810-26). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-115086 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-115086/51).

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 method blank for preparation batch 880-115105 and analytical batch 880-115272 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: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-1

Lab Sample ID: 880-60810-1

Date Collected: 07/24/25 09:30

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:50	07/28/25 22:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:50	07/28/25 22:32	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:50	07/28/25 22:32	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:50	07/28/25 22:32	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:50	07/28/25 22:32	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:50	07/28/25 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/28/25 09:50	07/28/25 22:32	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/28/25 09:50	07/28/25 22:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/28/25 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.2	J	49.8	15.1	mg/Kg			07/29/25 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		07/28/25 09:50	07/29/25 19:18	1
Diesel Range Organics (Over C10-C28)	15.2	J	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 19:18	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/28/25 09:50	07/29/25 19:18	1
o-Terphenyl	103		70 - 130	07/28/25 09:50	07/29/25 19:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		10.0	0.397	mg/Kg			07/28/25 19:15	1

Client Sample ID: B-2

Lab Sample ID: 880-60810-2

Date Collected: 07/24/25 10:55

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:50	07/28/25 22:52	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:50	07/28/25 22:52	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/28/25 09:50	07/28/25 22:52	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:50	07/28/25 22:52	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:50	07/28/25 22:52	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:50	07/28/25 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/28/25 09:50	07/28/25 22:52	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-2

Lab Sample ID: 880-60810-2

Date Collected: 07/24/25 10:55

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	07/28/25 09:50	07/28/25 22:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			07/28/25 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			07/29/25 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:50	07/29/25 19:34	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 19:34	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/28/25 09:50	07/29/25 19:34	1
o-Terphenyl	103		70 - 130				07/28/25 09:50	07/29/25 19:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.1		9.98	0.394	mg/Kg			07/28/25 19:21	1

Client Sample ID: B-3

Lab Sample ID: 880-60810-3

Date Collected: 07/24/25 09:33

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		07/28/25 09:50	07/28/25 23:12	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/28/25 09:50	07/28/25 23:12	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/28/25 09:50	07/28/25 23:12	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/28/25 23:12	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/28/25 09:50	07/28/25 23:12	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/28/25 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	07/28/25 09:50	07/28/25 23:12	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/28/25 09:50	07/28/25 23:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/28/25 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	679		50.0	15.1	mg/Kg			07/29/25 19:50	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-3

Lab Sample ID: 880-60810-3

Date Collected: 07/24/25 09:33

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:50	07/29/25 19:50	1
Diesel Range Organics (Over C10-C28)	679		50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 19:50	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/28/25 09:50	07/29/25 19:50	1
o-Terphenyl	104		70 - 130				07/28/25 09:50	07/29/25 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	493		10.1	0.398	mg/Kg			07/28/25 19:38	1

Client Sample ID: B-4

Lab Sample ID: 880-60810-4

Date Collected: 07/24/25 09:36

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		07/28/25 09:50	07/28/25 23:33	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/28/25 09:50	07/28/25 23:33	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		07/28/25 09:50	07/28/25 23:33	1
m-Xylene & p-Xylene	<0.00227	U	0.00397	0.00227	mg/Kg		07/28/25 09:50	07/28/25 23:33	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		07/28/25 09:50	07/28/25 23:33	1
Xylenes, Total	<0.00227	U	0.00397	0.00227	mg/Kg		07/28/25 09:50	07/28/25 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				07/28/25 09:50	07/28/25 23:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/28/25 09:50	07/28/25 23:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00397	0.00227	mg/Kg			07/28/25 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	676		50.0	15.1	mg/Kg			07/29/25 20:06	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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:50	07/29/25 20:06	1
Diesel Range Organics (Over C10-C28)	676		50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 20:06	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/28/25 09:50	07/29/25 20:06	1
o-Terphenyl	106		70 - 130				07/28/25 09:50	07/29/25 20:06	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-4

Lab Sample ID: 880-60810-4

Date Collected: 07/24/25 09:36

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		10.1	0.397	mg/Kg			07/28/25 19:44	1

Client Sample ID: B-5

Lab Sample ID: 880-60810-5

Date Collected: 07/24/25 09:39

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		07/28/25 09:50	07/28/25 23:53	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/28/25 09:50	07/28/25 23:53	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/28/25 09:50	07/28/25 23:53	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/28/25 23:53	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/28/25 09:50	07/28/25 23:53	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/28/25 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				07/28/25 09:50	07/28/25 23:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/28/25 09:50	07/28/25 23:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/28/25 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	2480		50.0	15.1	mg/Kg			07/29/25 20:38	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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:50	07/29/25 20:38	1
Diesel Range Organics (Over C10-C28)	2480		50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 20:38	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/28/25 09:50	07/29/25 20:38	1
o-Terphenyl	118		70 - 130				07/28/25 09:50	07/29/25 20:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	879		9.98	0.394	mg/Kg			07/28/25 20:01	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-6

Lab Sample ID: 880-60810-6

Date Collected: 07/24/25 09:42

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:50	07/29/25 00:14	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:50	07/29/25 00:14	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:50	07/29/25 00:14	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:50	07/29/25 00:14	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:50	07/29/25 00:14	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:50	07/29/25 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	07/28/25 09:50	07/29/25 00:14	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/28/25 09:50	07/29/25 00:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			07/29/25 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	31.3	J	49.8	15.1	mg/Kg			07/29/25 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		07/28/25 09:50	07/29/25 20:54	1
Diesel Range Organics (Over C10-C28)	31.3	J	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 20:54	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/28/25 09:50	07/29/25 20:54	1
o-Terphenyl	99		70 - 130	07/28/25 09:50	07/29/25 20:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.4		10.1	0.398	mg/Kg			07/28/25 20:06	1

Client Sample ID: B-7

Lab Sample ID: 880-60810-7

Date Collected: 07/24/25 09:45

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:50	07/29/25 00:34	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:50	07/29/25 00:34	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/28/25 09:50	07/29/25 00:34	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:50	07/29/25 00:34	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:50	07/29/25 00:34	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:50	07/29/25 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	07/28/25 09:50	07/29/25 00:34	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-7

Lab Sample ID: 880-60810-7

Date Collected: 07/24/25 09:45

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	07/28/25 09:50	07/29/25 00:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			07/29/25 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	<15.1	U	50.0	15.1	mg/Kg			07/29/25 21:09	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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:50	07/29/25 21:09	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 21:09	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/28/25 09:50	07/29/25 21:09	1
o-Terphenyl	100		70 - 130				07/28/25 09:50	07/29/25 21:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.3		10.1	0.397	mg/Kg			07/28/25 20:12	1

Client Sample ID: B-8

Lab Sample ID: 880-60810-8

Date Collected: 07/24/25 09:48

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:50	07/29/25 00:55	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:50	07/29/25 00:55	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/28/25 09:50	07/29/25 00:55	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:50	07/29/25 00:55	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:50	07/29/25 00:55	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:50	07/29/25 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	07/28/25 09:50	07/29/25 00:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/28/25 09:50	07/29/25 00:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			07/29/25 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	<15.1	U	49.8	15.1	mg/Kg			07/29/25 21:25	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-8

Lab Sample ID: 880-60810-8

Date Collected: 07/24/25 09:48

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 3'

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	<14.5	U	49.8	14.5	mg/Kg		07/28/25 09:50	07/29/25 21:25	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 21:25	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/28/25 09:50	07/29/25 21:25	1
o-Terphenyl	98		70 - 130				07/28/25 09:50	07/29/25 21:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.88	J	10.0	0.396	mg/Kg			07/28/25 20:18	1

Client Sample ID: B-9

Lab Sample ID: 880-60810-9

Date Collected: 07/24/25 09:51

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		07/28/25 09:50	07/29/25 01:15	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/28/25 09:50	07/29/25 01:15	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		07/28/25 09:50	07/29/25 01:15	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		07/28/25 09:50	07/29/25 01:15	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		07/28/25 09:50	07/29/25 01:15	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		07/28/25 09:50	07/29/25 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				07/28/25 09:50	07/29/25 01:15	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/28/25 09:50	07/29/25 01:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			07/29/25 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	<15.1	U	49.8	15.1	mg/Kg			07/29/25 21:41	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	<14.5	U	49.8	14.5	mg/Kg		07/28/25 09:50	07/29/25 21:41	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 21:41	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/28/25 09:50	07/29/25 21:41	1
o-Terphenyl	102		70 - 130				07/28/25 09:50	07/29/25 21:41	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-9

Lab Sample ID: 880-60810-9

Date Collected: 07/24/25 09:51

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		9.98	0.394	mg/Kg			07/28/25 20:23	1

Client Sample ID: B-10

Lab Sample ID: 880-60810-10

Date Collected: 07/24/25 09:54

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		07/28/25 09:50	07/29/25 01:35	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/28/25 09:50	07/29/25 01:35	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/28/25 09:50	07/29/25 01:35	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/29/25 01:35	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/28/25 09:50	07/29/25 01:35	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/29/25 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				07/28/25 09:50	07/29/25 01:35	1
1,4-Difluorobenzene (Surr)	101		70 - 130				07/28/25 09:50	07/29/25 01:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/29/25 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	<15.1	U	49.9	15.1	mg/Kg			07/29/25 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:50	07/29/25 21:57	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 21:57	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/28/25 09:50	07/29/25 21:57	1
o-Terphenyl	102		70 - 130				07/28/25 09:50	07/29/25 21:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.03	J	10.1	0.398	mg/Kg			07/28/25 20:29	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-11

Lab Sample ID: 880-60810-11

Date Collected: 07/24/25 09:58

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		07/28/25 09:50	07/29/25 02:59	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/28/25 09:50	07/29/25 02:59	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/28/25 09:50	07/29/25 02:59	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/29/25 02:59	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/28/25 09:50	07/29/25 02:59	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/29/25 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	07/28/25 09:50	07/29/25 02:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/28/25 09:50	07/29/25 02:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/29/25 02:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/29/25 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		07/28/25 09:50	07/29/25 22:12	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 22:12	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/28/25 09:50	07/29/25 22:12	1
o-Terphenyl	103		70 - 130	07/28/25 09:50	07/29/25 22:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.48	J	10.1	0.397	mg/Kg			07/28/25 20:35	1

Client Sample ID: B-12

Lab Sample ID: 880-60810-12

Date Collected: 07/24/25 10:58

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		07/28/25 09:50	07/29/25 03:19	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/28/25 09:50	07/29/25 03:19	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		07/28/25 09:50	07/29/25 03:19	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		07/28/25 09:50	07/29/25 03:19	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		07/28/25 09:50	07/29/25 03:19	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		07/28/25 09:50	07/29/25 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	07/28/25 09:50	07/29/25 03:19	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-12

Lab Sample ID: 880-60810-12

Date Collected: 07/24/25 10:58

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	07/28/25 09:50	07/29/25 03:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			07/29/25 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	132		49.9	15.1	mg/Kg			07/29/25 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:50	07/29/25 22:29	1
Diesel Range Organics (Over C10-C28)	132		49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 22:29	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/28/25 09:50	07/29/25 22:29	1
o-Terphenyl	102		70 - 130				07/28/25 09:50	07/29/25 22:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.87	J	9.98	0.394	mg/Kg			07/28/25 19:10	1

Client Sample ID: B-13

Lab Sample ID: 880-60810-13

Date Collected: 07/24/25 10:02

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:50	07/29/25 03:40	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:50	07/29/25 03:40	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		07/28/25 09:50	07/29/25 03:40	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		07/28/25 09:50	07/29/25 03:40	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:50	07/29/25 03:40	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		07/28/25 09:50	07/29/25 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	07/28/25 09:50	07/29/25 03:40	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/28/25 09:50	07/29/25 03:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			07/29/25 03:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	203		50.0	15.1	mg/Kg			07/29/25 22:44	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-13

Lab Sample ID: 880-60810-13

Date Collected: 07/24/25 10:02

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:50	07/29/25 22:44	1
Diesel Range Organics (Over C10-C28)	203		50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 22:44	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/28/25 09:50	07/29/25 22:44	1
o-Terphenyl	97		70 - 130				07/28/25 09:50	07/29/25 22:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		10.0	0.396	mg/Kg			07/28/25 19:33	1

Client Sample ID: B-14

Lab Sample ID: 880-60810-14

Date Collected: 07/24/25 10:06

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		07/28/25 09:50	07/29/25 04:00	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/28/25 09:50	07/29/25 04:00	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/28/25 09:50	07/29/25 04:00	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/29/25 04:00	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/28/25 09:50	07/29/25 04:00	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/29/25 04:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				07/28/25 09:50	07/29/25 04:00	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/28/25 09:50	07/29/25 04:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/29/25 04:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/29/25 22:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		07/28/25 09:50	07/29/25 22:59	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 22:59	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:50	07/29/25 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/28/25 09:50	07/29/25 22:59	1
o-Terphenyl	101		70 - 130				07/28/25 09:50	07/29/25 22:59	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-14

Lab Sample ID: 880-60810-14

Date Collected: 07/24/25 10:06

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.80	J	10.1	0.399	mg/Kg			07/28/25 19:40	1

Client Sample ID: B-15

Lab Sample ID: 880-60810-15

Date Collected: 07/24/25 10:10

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:50	07/29/25 04:20	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:50	07/29/25 04:20	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:50	07/29/25 04:20	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:50	07/29/25 04:20	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:50	07/29/25 04:20	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:50	07/29/25 04:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				07/28/25 09:50	07/29/25 04:20	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/28/25 09:50	07/29/25 04:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			07/29/25 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.2		49.9	15.1	mg/Kg			07/29/25 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:53	07/29/25 17:12	1
Diesel Range Organics (Over C10-C28)	99.2		49.9	15.1	mg/Kg		07/28/25 09:53	07/29/25 17:12	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:53	07/29/25 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				07/28/25 09:53	07/29/25 17:12	1
o-Terphenyl	98		70 - 130				07/28/25 09:53	07/29/25 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.23	J	10.1	0.397	mg/Kg			07/28/25 19:48	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-1

Lab Sample ID: 880-60810-16

Date Collected: 07/24/25 10:14

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:50	07/29/25 04:41	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:50	07/29/25 04:41	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:50	07/29/25 04:41	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:50	07/29/25 04:41	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:50	07/29/25 04:41	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:50	07/29/25 04:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	07/28/25 09:50	07/29/25 04:41	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/28/25 09:50	07/29/25 04:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/29/25 04:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	188		49.9	15.1	mg/Kg			07/29/25 18:00	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	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:53	07/29/25 18:00	1
Diesel Range Organics (Over C10-C28)	188		49.9	15.1	mg/Kg		07/28/25 09:53	07/29/25 18:00	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:53	07/29/25 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/28/25 09:53	07/29/25 18:00	1
o-Terphenyl	99		70 - 130	07/28/25 09:53	07/29/25 18:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.4		9.98	0.394	mg/Kg			07/28/25 19:56	1

Client Sample ID: S-2

Lab Sample ID: 880-60810-17

Date Collected: 07/24/25 10:18

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:50	07/29/25 05:01	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:50	07/29/25 05:01	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/28/25 09:50	07/29/25 05:01	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:50	07/29/25 05:01	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:50	07/29/25 05:01	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:50	07/29/25 05:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	07/28/25 09:50	07/29/25 05:01	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-2

Lab Sample ID: 880-60810-17

Date Collected: 07/24/25 10:18

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	07/28/25 09:50	07/29/25 05:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			07/29/25 05:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	148		49.8	15.1	mg/Kg			07/29/25 18:15	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	<14.5	U	49.8	14.5	mg/Kg		07/28/25 09:53	07/29/25 18:15	1
Diesel Range Organics (Over C10-C28)	148		49.8	15.1	mg/Kg		07/28/25 09:53	07/29/25 18:15	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:53	07/29/25 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/28/25 09:53	07/29/25 18:15	1
o-Terphenyl	97		70 - 130				07/28/25 09:53	07/29/25 18:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.6		10.1	0.398	mg/Kg			07/28/25 20:18	1

Client Sample ID: S-3

Lab Sample ID: 880-60810-18

Date Collected: 07/24/25 10:21

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		07/28/25 09:50	07/29/25 05:22	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/28/25 09:50	07/29/25 05:22	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		07/28/25 09:50	07/29/25 05:22	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		07/28/25 09:50	07/29/25 05:22	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		07/28/25 09:50	07/29/25 05:22	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		07/28/25 09:50	07/29/25 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	07/28/25 09:50	07/29/25 05:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/28/25 09:50	07/29/25 05:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			07/29/25 05:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.8		50.0	15.1	mg/Kg			07/29/25 18:31	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-3

Lab Sample ID: 880-60810-18

Date Collected: 07/24/25 10:21

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:53	07/29/25 18:31	1
Diesel Range Organics (Over C10-C28)	63.8		50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 18:31	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/28/25 09:53	07/29/25 18:31	1
o-Terphenyl	93		70 - 130				07/28/25 09:53	07/29/25 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.4		10.0	0.397	mg/Kg			07/28/25 20:26	1

Client Sample ID: S-4

Lab Sample ID: 880-60810-19

Date Collected: 07/24/25 10:24

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		07/28/25 09:50	07/29/25 05:42	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/28/25 09:50	07/29/25 05:42	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/28/25 09:50	07/29/25 05:42	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/29/25 05:42	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/28/25 09:50	07/29/25 05:42	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:50	07/29/25 05:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				07/28/25 09:50	07/29/25 05:42	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/28/25 09:50	07/29/25 05:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/29/25 05:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			07/29/25 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		07/28/25 09:53	07/29/25 18:47	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		07/28/25 09:53	07/29/25 18:47	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		07/28/25 09:53	07/29/25 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				07/28/25 09:53	07/29/25 18:47	1
o-Terphenyl	102		70 - 130				07/28/25 09:53	07/29/25 18:47	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-4

Lab Sample ID: 880-60810-19

Date Collected: 07/24/25 10:24

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.9		9.96	0.393	mg/Kg			07/28/25 20:34	1

Client Sample ID: S-5

Lab Sample ID: 880-60810-20

Date Collected: 07/24/25 10:28

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:50	07/29/25 06:03	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:50	07/29/25 06:03	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		07/28/25 09:50	07/29/25 06:03	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		07/28/25 09:50	07/29/25 06:03	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:50	07/29/25 06:03	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		07/28/25 09:50	07/29/25 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				07/28/25 09:50	07/29/25 06:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/28/25 09:50	07/29/25 06:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			07/29/25 06:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27.2	J	50.0	15.1	mg/Kg			07/29/25 19:03	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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:53	07/29/25 19:03	1
Diesel Range Organics (Over C10-C28)	27.2	J	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 19:03	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				07/28/25 09:53	07/29/25 19:03	1
o-Terphenyl	99		70 - 130				07/28/25 09:53	07/29/25 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.44	J	10.1	0.398	mg/Kg			07/28/25 20:41	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-6

Lab Sample ID: 880-60810-21

Date Collected: 07/24/25 10:31

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		07/28/25 09:44	07/29/25 03:59	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/28/25 09:44	07/29/25 03:59	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		07/28/25 09:44	07/29/25 03:59	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		07/28/25 09:44	07/29/25 03:59	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		07/28/25 09:44	07/29/25 03:59	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		07/28/25 09:44	07/29/25 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	07/28/25 09:44	07/29/25 03:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/28/25 09:44	07/29/25 03:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			07/29/25 03:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	119		49.8	15.1	mg/Kg			07/29/25 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		07/28/25 09:53	07/29/25 19:18	1
Diesel Range Organics (Over C10-C28)	119		49.8	15.1	mg/Kg		07/28/25 09:53	07/29/25 19:18	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 09:53	07/29/25 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	07/28/25 09:53	07/29/25 19:18	1
o-Terphenyl	97		70 - 130	07/28/25 09:53	07/29/25 19:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		10.1	0.397	mg/Kg			07/28/25 20:49	1

Client Sample ID: S-7

Lab Sample ID: 880-60810-22

Date Collected: 07/24/25 10:34

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:44	07/29/25 04:19	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:44	07/29/25 04:19	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:44	07/29/25 04:19	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:44	07/29/25 04:19	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:44	07/29/25 04:19	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:44	07/29/25 04:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	07/28/25 09:44	07/29/25 04:19	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-7

Lab Sample ID: 880-60810-22

Date Collected: 07/24/25 10:34

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	07/28/25 09:44	07/29/25 04:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/29/25 04:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/29/25 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:53	07/29/25 19:34	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 19:34	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/28/25 09:53	07/29/25 19:34	1
o-Terphenyl	98		70 - 130				07/28/25 09:53	07/29/25 19:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.5		10.0	0.396	mg/Kg			07/28/25 20:57	1

Client Sample ID: S-8

Lab Sample ID: 880-60810-23

Date Collected: 07/24/25 10:37

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:44	07/29/25 04:39	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:44	07/29/25 04:39	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/28/25 09:44	07/29/25 04:39	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:44	07/29/25 04:39	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:44	07/29/25 04:39	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:44	07/29/25 04:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				07/28/25 09:44	07/29/25 04:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/28/25 09:44	07/29/25 04:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			07/29/25 04:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/29/25 19:50	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-8

Lab Sample ID: 880-60810-23

Date Collected: 07/24/25 10:37

Matrix: Solid

Date Received: 07/25/25 13:05

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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:53	07/29/25 19:50	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 19:50	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/28/25 09:53	07/29/25 19:50	1
o-Terphenyl	98		70 - 130				07/28/25 09:53	07/29/25 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.74	J	9.96	0.393	mg/Kg			07/28/25 21:20	1

Client Sample ID: S-9

Lab Sample ID: 880-60810-24

Date Collected: 07/24/25 10:40

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		07/28/25 09:44	07/29/25 05:00	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/28/25 09:44	07/29/25 05:00	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		07/28/25 09:44	07/29/25 05:00	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		07/28/25 09:44	07/29/25 05:00	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		07/28/25 09:44	07/29/25 05:00	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		07/28/25 09:44	07/29/25 05:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				07/28/25 09:44	07/29/25 05:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/28/25 09:44	07/29/25 05:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			07/29/25 05:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			07/29/25 20:06	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	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:53	07/29/25 20:06	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:53	07/29/25 20:06	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:53	07/29/25 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/28/25 09:53	07/29/25 20:06	1
o-Terphenyl	83		70 - 130				07/28/25 09:53	07/29/25 20:06	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-9

Lab Sample ID: 880-60810-24

Date Collected: 07/24/25 10:40

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		10.0	0.397	mg/Kg			07/28/25 21:27	1

Client Sample ID: S-10

Lab Sample ID: 880-60810-25

Date Collected: 07/24/25 10:43

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:44	07/29/25 05:20	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:44	07/29/25 05:20	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		07/28/25 09:44	07/29/25 05:20	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		07/28/25 09:44	07/29/25 05:20	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:44	07/29/25 05:20	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		07/28/25 09:44	07/29/25 05:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/28/25 09:44	07/29/25 05:20	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/28/25 09:44	07/29/25 05:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			07/29/25 05:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	251		50.0	15.1	mg/Kg			07/29/25 20:38	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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:53	07/29/25 20:38	1
Diesel Range Organics (Over C10-C28)	251		50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 20:38	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/28/25 09:53	07/29/25 20:38	1
o-Terphenyl	97		70 - 130				07/28/25 09:53	07/29/25 20:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.94	J	9.98	0.394	mg/Kg			07/28/25 21:50	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-11

Lab Sample ID: 880-60810-26

Date Collected: 07/24/25 10:47

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg	-	07/28/25 09:44	07/29/25 05:41	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	07/28/25 09:44	07/29/25 05:41	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg	-	07/28/25 09:44	07/29/25 05:41	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg	-	07/28/25 09:44	07/29/25 05:41	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg	-	07/28/25 09:44	07/29/25 05:41	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg	-	07/28/25 09:44	07/29/25 05:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	07/28/25 09:44	07/29/25 05:41	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/28/25 09:44	07/29/25 05:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg	-		07/29/25 05:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	297		49.8	15.1	mg/Kg	-		07/29/25 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg	-	07/28/25 09:53	07/29/25 20:54	1
Diesel Range Organics (Over C10-C28)	297		49.8	15.1	mg/Kg	-	07/28/25 09:53	07/29/25 20:54	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg	-	07/28/25 09:53	07/29/25 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/28/25 09:53	07/29/25 20:54	1
o-Terphenyl	95		70 - 130	07/28/25 09:53	07/29/25 20:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.21	J	10.1	0.398	mg/Kg	-		07/28/25 21:58	1

Client Sample ID: S-12

Lab Sample ID: 880-60810-27

Date Collected: 07/24/25 10:50

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg	-	07/28/25 09:44	07/29/25 06:01	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/28/25 09:44	07/29/25 06:01	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	07/28/25 09:44	07/29/25 06:01	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg	-	07/28/25 09:44	07/29/25 06:01	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	07/28/25 09:44	07/29/25 06:01	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg	-	07/28/25 09:44	07/29/25 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/28/25 09:44	07/29/25 06:01	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-12

Lab Sample ID: 880-60810-27

Date Collected: 07/24/25 10:50

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	07/28/25 09:44	07/29/25 06:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/29/25 06:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	591		49.9	15.1	mg/Kg			07/29/25 21:09	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	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:53	07/29/25 21:09	1
Diesel Range Organics (Over C10-C28)	591		49.9	15.1	mg/Kg		07/28/25 09:53	07/29/25 21:09	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:53	07/29/25 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/28/25 09:53	07/29/25 21:09	1
o-Terphenyl	88		70 - 130				07/28/25 09:53	07/29/25 21:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.61	J	10.1	0.397	mg/Kg			07/28/25 22:05	1

Client Sample ID: S-13

Lab Sample ID: 880-60810-28

Date Collected: 07/24/25 10:53

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		07/28/25 09:44	07/29/25 06:22	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/28/25 09:44	07/29/25 06:22	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		07/28/25 09:44	07/29/25 06:22	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		07/28/25 09:44	07/29/25 06:22	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		07/28/25 09:44	07/29/25 06:22	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		07/28/25 09:44	07/29/25 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				07/28/25 09:44	07/29/25 06:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/28/25 09:44	07/29/25 06:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			07/29/25 06:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.0		50.0	15.1	mg/Kg			07/29/25 21:25	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-13
Date Collected: 07/24/25 10:53
Date Received: 07/25/25 13:05
Sample Depth: 0-3'

Lab Sample ID: 880-60810-28
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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:53	07/29/25 21:25	1
Diesel Range Organics (Over C10-C28)	82.0		50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 21:25	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:53	07/29/25 21:25	1
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	98		70 - 130						
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.7		9.98	0.394	mg/Kg			07/28/25 22:13	1

Surrogate Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
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)
880-60809-A-1-B MS	Matrix Spike	124	98
880-60809-A-1-C MSD	Matrix Spike Duplicate	124	97
880-60810-1	B-1	124	102
880-60810-1 MS	B-1	109	92
880-60810-1 MSD	B-1	109	103
880-60810-2	B-2	124	100
880-60810-3	B-3	129	102
880-60810-4	B-4	127	103
880-60810-5	B-5	132 S1+	102
880-60810-6	B-6	126	100
880-60810-7	B-7	130	100
880-60810-8	B-8	131 S1+	102
880-60810-9	B-9	139 S1+	104
880-60810-10	B-10	131 S1+	101
880-60810-11	B-11	126	99
880-60810-12	B-12	130	99
880-60810-13	B-13	121	96
880-60810-14	B-14	132 S1+	103
880-60810-15	B-15	128	100
880-60810-16	S-1	123	94
880-60810-17	S-2	128	100
880-60810-18	S-3	127	101
880-60810-19	S-4	127	102
880-60810-20	S-5	134 S1+	100
880-60810-21	S-6	124	95
880-60810-22	S-7	125	91
880-60810-23	S-8	130	92
880-60810-24	S-9	131 S1+	92
880-60810-25	S-10	124	91
880-60810-26	S-11	131 S1+	92
880-60810-27	S-12	122	92
880-60810-28	S-13	126	93
LCS 880-115100/1-A	Lab Control Sample	120	99
LCS 880-115106/1-A	Lab Control Sample	104	96
LCSD 880-115100/2-A	Lab Control Sample Dup	121	99
LCSD 880-115106/2-A	Lab Control Sample Dup	106	90
MB 880-114949/5-A	Method Blank	116	88
MB 880-115012/5-A	Method Blank	111	98
MB 880-115100/5-A	Method Blank	122	90
MB 880-115106/5-A	Method Blank	115	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Crain Environmental

Job ID: 880-60810-1

Project/Site: State J 2 #17

SDG: Lea Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-60809-A-6-C MS	Matrix Spike	95	100
880-60809-A-6-D MSD	Matrix Spike Duplicate	95	101
880-60810-1	B-1	104	103
880-60810-2	B-2	105	103
880-60810-3	B-3	102	104
880-60810-4	B-4	102	106
880-60810-5	B-5	101	118
880-60810-6	B-6	102	99
880-60810-7	B-7	104	100
880-60810-8	B-8	102	98
880-60810-9	B-9	103	102
880-60810-10	B-10	105	102
880-60810-11	B-11	104	103
880-60810-12	B-12	103	102
880-60810-13	B-13	101	97
880-60810-14	B-14	103	101
880-60810-15	B-15	106	98
880-60810-15 MS	B-15	97	95
880-60810-15 MSD	B-15	97	96
880-60810-16	S-1	104	99
880-60810-17	S-2	104	97
880-60810-18	S-3	105	93
880-60810-19	S-4	111	102
880-60810-20	S-5	106	99
880-60810-21	S-6	98	97
880-60810-22	S-7	105	98
880-60810-23	S-8	107	98
880-60810-24	S-9	89	83
880-60810-25	S-10	105	97
880-60810-26	S-11	101	95
880-60810-27	S-12	91	88
880-60810-28	S-13	103	98
LCS 880-115105/2-A	Lab Control Sample	111	104
LCS 880-115107/2-A	Lab Control Sample	99	100
LCSD 880-115105/3-A	Lab Control Sample Dup	93	103
LCSD 880-115107/3-A	Lab Control Sample Dup	98	99
MB 880-115105/1-A	Method Blank	120	118
MB 880-115107/1-A	Method Blank	125	115

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114949/5-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/24/25 14:24	07/28/25 11:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/24/25 14:24	07/28/25 11:42	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/24/25 14:24	07/28/25 11:42	1

Lab Sample ID: MB 880-115012/5-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/25/25 09:28	07/28/25 11:35	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/25/25 09:28	07/28/25 11:35	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/25/25 09:28	07/28/25 11:35	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/25/25 09:28	07/28/25 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/25/25 09:28	07/28/25 11:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/25/25 09:28	07/28/25 11:35	1

Lab Sample ID: MB 880-115100/5-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:44	07/28/25 22:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/28/25 09:44	07/28/25 22:38	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/28/25 09:44	07/28/25 22:38	1

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-115100/1-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09963		mg/Kg		100	70 - 130
Toluene	0.100	0.08698		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09127		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1763		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09100		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-115100/2-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1140		mg/Kg		114	70 - 130	13	35
Toluene	0.100	0.09992		mg/Kg		100	70 - 130	14	35
Ethylbenzene	0.100	0.1055		mg/Kg		106	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		102	70 - 130	15	35
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-60809-A-1-B MS

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.09434		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.08135		mg/Kg		81	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.07874		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1514		mg/Kg		76	70 - 130
o-Xylene	<0.00158	U	0.100	0.07860		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-60809-A-1-C MSD

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.09942		mg/Kg		99	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08399		mg/Kg		84	70 - 130	3	35
Ethylbenzene	<0.00109	U	0.100	0.08188		mg/Kg		82	70 - 130	4	35

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-60809-A-1-C MSD

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1567		mg/Kg		78	70 - 130	3	35
o-Xylene	<0.00158	U	0.100	0.08088		mg/Kg		81	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	124		70 - 130								
1,4-Difluorobenzene (Surr)	97		70 - 130								

Lab Sample ID: MB 880-115106/5-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:50	07/28/25 22:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:50	07/28/25 22:10	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:50	07/28/25 22:10	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:50	07/28/25 22:10	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:50	07/28/25 22:10	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:50	07/28/25 22:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/28/25 09:50	07/28/25 22:10	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/28/25 09:50	07/28/25 22:10	1

Lab Sample ID: LCS 880-115106/1-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1173		mg/Kg		117	70 - 130
Toluene	0.100	0.1083		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1116		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2157		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	104		70 - 130				
1,4-Difluorobenzene (Surr)	96		70 - 130				

Lab Sample ID: LCSD 880-115106/2-A

Matrix: Solid

Analysis Batch: 115086

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115106

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1159		mg/Kg		116	70 - 130	1	35
Toluene	0.100	0.1069		mg/Kg		107	70 - 130	1	35
Ethylbenzene	0.100	0.1117		mg/Kg		112	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2168		mg/Kg		108	70 - 130	0	35
o-Xylene	0.100	0.1108		mg/Kg		111	70 - 130	0	35

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-60810-1 MS
Matrix: Solid
Analysis Batch: 115086

Client Sample ID: B-1
Prep Type: Total/NA
Prep Batch: 115106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.1022		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09136		mg/Kg		91	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.09147		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1748		mg/Kg		87	70 - 130
o-Xylene	<0.00158	U	0.100	0.09094		mg/Kg		91	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-60810-1 MSD
Matrix: Solid
Analysis Batch: 115086

Client Sample ID: B-1
Prep Type: Total/NA
Prep Batch: 115106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00139	U	0.100	0.1056		mg/Kg		106	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09301		mg/Kg		93	70 - 130	2	35
Ethylbenzene	<0.00109	U	0.100	0.09069		mg/Kg		91	70 - 130	1	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1732		mg/Kg		87	70 - 130	1	35
o-Xylene	<0.00158	U	0.100	0.08613		mg/Kg		86	70 - 130	5	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-115105/1-A
Matrix: Solid
Analysis Batch: 115272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.69	J	50.0	14.5	mg/Kg		07/28/25 09:50	07/29/25 16:14	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 16:14	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 16:14	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	120		70 - 130	07/28/25 09:50	07/29/25 16:14	1			
o-Terphenyl	118		70 - 130	07/28/25 09:50	07/29/25 16:14	1			

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-115105/2-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	966.8		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	917.1		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	111		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-115105/3-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115105

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	963.3		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	975.5		mg/Kg		98	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: 880-60809-A-6-C MS

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	829.5		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	49.5	J	999	922.0		mg/Kg		87	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	100		70 - 130						

Lab Sample ID: 880-60809-A-6-D MSD

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115105

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	<14.5	U	999	846.6		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	49.5	J	999	938.0		mg/Kg		89	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-60809-A-6-D MSD

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115105

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	101		70 - 130

Lab Sample ID: MB 880-115107/1-A

Matrix: Solid

Analysis Batch: 115274

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115107

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:52	07/29/25 16:14	1	
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:52	07/29/25 16:14	1	
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:52	07/29/25 16:14	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	125		70 - 130				07/28/25 09:52	07/29/25 16:14	1	
<i>o</i> -Terphenyl	115		70 - 130				07/28/25 09:52	07/29/25 16:14	1	

Lab Sample ID: LCS 880-115107/2-A

Matrix: Solid

Analysis Batch: 115274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115107

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	997.7		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	966.6		mg/Kg		97	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	99		70 - 130							
<i>o</i> -Terphenyl	100		70 - 130							

Lab Sample ID: LCSD 880-115107/3-A

Matrix: Solid

Analysis Batch: 115274

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115107

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	992.6		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	959.2		mg/Kg		96	70 - 130	1	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	99		70 - 130								

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-60810-15 MS

Matrix: Solid

Analysis Batch: 115274

Client Sample ID: B-15

Prep Type: Total/NA

Prep Batch: 115107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	872.7		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	99.2		999	914.1		mg/Kg		82	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-60810-15 MSD

Matrix: Solid

Analysis Batch: 115274

Client Sample ID: B-15

Prep Type: Total/NA

Prep Batch: 115107

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	<14.5	U	999	877.2		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	99.2		999	909.2		mg/Kg		81	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	96		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115124/1-A

Matrix: Solid

Analysis Batch: 115189

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			07/28/25 17:45	1

Lab Sample ID: LCS 880-115124/2-A

Matrix: Solid

Analysis Batch: 115189

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.1		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-115124/3-A

Matrix: Solid

Analysis Batch: 115189

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	238.4		mg/Kg		95	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-60810-2 MS

Matrix: Solid

Analysis Batch: 115189

Client Sample ID: B-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.1		250	250.1		mg/Kg		96	90 - 110

Lab Sample ID: 880-60810-2 MSD

Matrix: Solid

Analysis Batch: 115189

Client Sample ID: B-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.1		250	250.5		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-115110/1-A

Matrix: Solid

Analysis Batch: 115191

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			07/28/25 18:47	1

Lab Sample ID: LCS 880-115110/2-A

Matrix: Solid

Analysis Batch: 115191

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-115110/3-A

Matrix: Solid

Analysis Batch: 115191

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	252.4		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-60810-12 MS

Matrix: Solid

Analysis Batch: 115191

Client Sample ID: B-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.87	J	250	258.0		mg/Kg		99	90 - 110

Lab Sample ID: 880-60810-12 MSD

Matrix: Solid

Analysis Batch: 115191

Client Sample ID: B-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.87	J	250	260.3		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-60810-22 MS

Matrix: Solid

Analysis Batch: 115191

Client Sample ID: S-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	55.5		251	310.1		mg/Kg		102	90 - 110

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-60810-22 MSD							Client Sample ID: S-7					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 115191												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	55.5		251	308.6		mg/Kg		101	90 - 110	0	20	

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QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 114949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-114949/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 115012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-115012/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-1	B-1	Total/NA	Solid	8021B	115106
880-60810-2	B-2	Total/NA	Solid	8021B	115106
880-60810-3	B-3	Total/NA	Solid	8021B	115106
880-60810-4	B-4	Total/NA	Solid	8021B	115106
880-60810-5	B-5	Total/NA	Solid	8021B	115106
880-60810-6	B-6	Total/NA	Solid	8021B	115106
880-60810-7	B-7	Total/NA	Solid	8021B	115106
880-60810-8	B-8	Total/NA	Solid	8021B	115106
880-60810-9	B-9	Total/NA	Solid	8021B	115106
880-60810-10	B-10	Total/NA	Solid	8021B	115106
880-60810-11	B-11	Total/NA	Solid	8021B	115106
880-60810-12	B-12	Total/NA	Solid	8021B	115106
880-60810-13	B-13	Total/NA	Solid	8021B	115106
880-60810-14	B-14	Total/NA	Solid	8021B	115106
880-60810-15	B-15	Total/NA	Solid	8021B	115106
880-60810-16	S-1	Total/NA	Solid	8021B	115106
880-60810-17	S-2	Total/NA	Solid	8021B	115106
880-60810-18	S-3	Total/NA	Solid	8021B	115106
880-60810-19	S-4	Total/NA	Solid	8021B	115106
880-60810-20	S-5	Total/NA	Solid	8021B	115106
MB 880-115012/5-A	Method Blank	Total/NA	Solid	8021B	115012
MB 880-115106/5-A	Method Blank	Total/NA	Solid	8021B	115106
LCS 880-115106/1-A	Lab Control Sample	Total/NA	Solid	8021B	115106
LCSD 880-115106/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115106
880-60810-1 MS	B-1	Total/NA	Solid	8021B	115106
880-60810-1 MSD	B-1	Total/NA	Solid	8021B	115106

Analysis Batch: 115087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-21	S-6	Total/NA	Solid	8021B	115100
880-60810-22	S-7	Total/NA	Solid	8021B	115100
880-60810-23	S-8	Total/NA	Solid	8021B	115100
880-60810-24	S-9	Total/NA	Solid	8021B	115100
880-60810-25	S-10	Total/NA	Solid	8021B	115100
880-60810-26	S-11	Total/NA	Solid	8021B	115100
880-60810-27	S-12	Total/NA	Solid	8021B	115100
880-60810-28	S-13	Total/NA	Solid	8021B	115100
MB 880-114949/5-A	Method Blank	Total/NA	Solid	8021B	114949
MB 880-115100/5-A	Method Blank	Total/NA	Solid	8021B	115100
LCS 880-115100/1-A	Lab Control Sample	Total/NA	Solid	8021B	115100
LCSD 880-115100/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115100
880-60809-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	115100
880-60809-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115100

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QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 115100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-21	S-6	Total/NA	Solid	5035	
880-60810-22	S-7	Total/NA	Solid	5035	
880-60810-23	S-8	Total/NA	Solid	5035	
880-60810-24	S-9	Total/NA	Solid	5035	
880-60810-25	S-10	Total/NA	Solid	5035	
880-60810-26	S-11	Total/NA	Solid	5035	
880-60810-27	S-12	Total/NA	Solid	5035	
880-60810-28	S-13	Total/NA	Solid	5035	
MB 880-115100/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115100/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115100/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60809-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-60809-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 115106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-1	B-1	Total/NA	Solid	5035	
880-60810-2	B-2	Total/NA	Solid	5035	
880-60810-3	B-3	Total/NA	Solid	5035	
880-60810-4	B-4	Total/NA	Solid	5035	
880-60810-5	B-5	Total/NA	Solid	5035	
880-60810-6	B-6	Total/NA	Solid	5035	
880-60810-7	B-7	Total/NA	Solid	5035	
880-60810-8	B-8	Total/NA	Solid	5035	
880-60810-9	B-9	Total/NA	Solid	5035	
880-60810-10	B-10	Total/NA	Solid	5035	
880-60810-11	B-11	Total/NA	Solid	5035	
880-60810-12	B-12	Total/NA	Solid	5035	
880-60810-13	B-13	Total/NA	Solid	5035	
880-60810-14	B-14	Total/NA	Solid	5035	
880-60810-15	B-15	Total/NA	Solid	5035	
880-60810-16	S-1	Total/NA	Solid	5035	
880-60810-17	S-2	Total/NA	Solid	5035	
880-60810-18	S-3	Total/NA	Solid	5035	
880-60810-19	S-4	Total/NA	Solid	5035	
880-60810-20	S-5	Total/NA	Solid	5035	
MB 880-115106/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115106/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115106/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60810-1 MS	B-1	Total/NA	Solid	5035	
880-60810-1 MSD	B-1	Total/NA	Solid	5035	

Analysis Batch: 115292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-1	B-1	Total/NA	Solid	Total BTEX	
880-60810-2	B-2	Total/NA	Solid	Total BTEX	
880-60810-3	B-3	Total/NA	Solid	Total BTEX	
880-60810-4	B-4	Total/NA	Solid	Total BTEX	
880-60810-5	B-5	Total/NA	Solid	Total BTEX	
880-60810-6	B-6	Total/NA	Solid	Total BTEX	
880-60810-7	B-7	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 115292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-8	B-8	Total/NA	Solid	Total BTEX	
880-60810-9	B-9	Total/NA	Solid	Total BTEX	
880-60810-10	B-10	Total/NA	Solid	Total BTEX	
880-60810-11	B-11	Total/NA	Solid	Total BTEX	
880-60810-12	B-12	Total/NA	Solid	Total BTEX	
880-60810-13	B-13	Total/NA	Solid	Total BTEX	
880-60810-14	B-14	Total/NA	Solid	Total BTEX	
880-60810-15	B-15	Total/NA	Solid	Total BTEX	
880-60810-16	S-1	Total/NA	Solid	Total BTEX	
880-60810-17	S-2	Total/NA	Solid	Total BTEX	
880-60810-18	S-3	Total/NA	Solid	Total BTEX	
880-60810-19	S-4	Total/NA	Solid	Total BTEX	
880-60810-20	S-5	Total/NA	Solid	Total BTEX	
880-60810-21	S-6	Total/NA	Solid	Total BTEX	
880-60810-22	S-7	Total/NA	Solid	Total BTEX	
880-60810-23	S-8	Total/NA	Solid	Total BTEX	
880-60810-24	S-9	Total/NA	Solid	Total BTEX	
880-60810-25	S-10	Total/NA	Solid	Total BTEX	
880-60810-26	S-11	Total/NA	Solid	Total BTEX	
880-60810-27	S-12	Total/NA	Solid	Total BTEX	
880-60810-28	S-13	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-1	B-1	Total/NA	Solid	8015NM Prep	
880-60810-2	B-2	Total/NA	Solid	8015NM Prep	
880-60810-3	B-3	Total/NA	Solid	8015NM Prep	
880-60810-4	B-4	Total/NA	Solid	8015NM Prep	
880-60810-5	B-5	Total/NA	Solid	8015NM Prep	
880-60810-6	B-6	Total/NA	Solid	8015NM Prep	
880-60810-7	B-7	Total/NA	Solid	8015NM Prep	
880-60810-8	B-8	Total/NA	Solid	8015NM Prep	
880-60810-9	B-9	Total/NA	Solid	8015NM Prep	
880-60810-10	B-10	Total/NA	Solid	8015NM Prep	
880-60810-11	B-11	Total/NA	Solid	8015NM Prep	
880-60810-12	B-12	Total/NA	Solid	8015NM Prep	
880-60810-13	B-13	Total/NA	Solid	8015NM Prep	
880-60810-14	B-14	Total/NA	Solid	8015NM Prep	
MB 880-115105/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115105/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60809-A-6-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-60809-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 115107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-15	B-15	Total/NA	Solid	8015NM Prep	
880-60810-16	S-1	Total/NA	Solid	8015NM Prep	
880-60810-17	S-2	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 115107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-18	S-3	Total/NA	Solid	8015NM Prep	
880-60810-19	S-4	Total/NA	Solid	8015NM Prep	
880-60810-20	S-5	Total/NA	Solid	8015NM Prep	
880-60810-21	S-6	Total/NA	Solid	8015NM Prep	
880-60810-22	S-7	Total/NA	Solid	8015NM Prep	
880-60810-23	S-8	Total/NA	Solid	8015NM Prep	
880-60810-24	S-9	Total/NA	Solid	8015NM Prep	
880-60810-25	S-10	Total/NA	Solid	8015NM Prep	
880-60810-26	S-11	Total/NA	Solid	8015NM Prep	
880-60810-27	S-12	Total/NA	Solid	8015NM Prep	
880-60810-28	S-13	Total/NA	Solid	8015NM Prep	
MB 880-115107/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115107/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115107/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60810-15 MS	B-15	Total/NA	Solid	8015NM Prep	
880-60810-15 MSD	B-15	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-1	B-1	Total/NA	Solid	8015B NM	115105
880-60810-2	B-2	Total/NA	Solid	8015B NM	115105
880-60810-3	B-3	Total/NA	Solid	8015B NM	115105
880-60810-4	B-4	Total/NA	Solid	8015B NM	115105
880-60810-5	B-5	Total/NA	Solid	8015B NM	115105
880-60810-6	B-6	Total/NA	Solid	8015B NM	115105
880-60810-7	B-7	Total/NA	Solid	8015B NM	115105
880-60810-8	B-8	Total/NA	Solid	8015B NM	115105
880-60810-9	B-9	Total/NA	Solid	8015B NM	115105
880-60810-10	B-10	Total/NA	Solid	8015B NM	115105
880-60810-11	B-11	Total/NA	Solid	8015B NM	115105
880-60810-12	B-12	Total/NA	Solid	8015B NM	115105
880-60810-13	B-13	Total/NA	Solid	8015B NM	115105
880-60810-14	B-14	Total/NA	Solid	8015B NM	115105
MB 880-115105/1-A	Method Blank	Total/NA	Solid	8015B NM	115105
LCS 880-115105/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115105
LCSD 880-115105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115105
880-60809-A-6-C MS	Matrix Spike	Total/NA	Solid	8015B NM	115105
880-60809-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	115105

Analysis Batch: 115274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-15	B-15	Total/NA	Solid	8015B NM	115107
880-60810-16	S-1	Total/NA	Solid	8015B NM	115107
880-60810-17	S-2	Total/NA	Solid	8015B NM	115107
880-60810-18	S-3	Total/NA	Solid	8015B NM	115107
880-60810-19	S-4	Total/NA	Solid	8015B NM	115107
880-60810-20	S-5	Total/NA	Solid	8015B NM	115107
880-60810-21	S-6	Total/NA	Solid	8015B NM	115107
880-60810-22	S-7	Total/NA	Solid	8015B NM	115107
880-60810-23	S-8	Total/NA	Solid	8015B NM	115107
880-60810-24	S-9	Total/NA	Solid	8015B NM	115107

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 115274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-25	S-10	Total/NA	Solid	8015B NM	115107
880-60810-26	S-11	Total/NA	Solid	8015B NM	115107
880-60810-27	S-12	Total/NA	Solid	8015B NM	115107
880-60810-28	S-13	Total/NA	Solid	8015B NM	115107
MB 880-115107/1-A	Method Blank	Total/NA	Solid	8015B NM	115107
LCS 880-115107/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115107
LCSD 880-115107/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115107
880-60810-15 MS	B-15	Total/NA	Solid	8015B NM	115107
880-60810-15 MSD	B-15	Total/NA	Solid	8015B NM	115107

Analysis Batch: 115377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-1	B-1	Total/NA	Solid	8015 NM	
880-60810-2	B-2	Total/NA	Solid	8015 NM	
880-60810-3	B-3	Total/NA	Solid	8015 NM	
880-60810-4	B-4	Total/NA	Solid	8015 NM	
880-60810-5	B-5	Total/NA	Solid	8015 NM	
880-60810-6	B-6	Total/NA	Solid	8015 NM	
880-60810-7	B-7	Total/NA	Solid	8015 NM	
880-60810-8	B-8	Total/NA	Solid	8015 NM	
880-60810-9	B-9	Total/NA	Solid	8015 NM	
880-60810-10	B-10	Total/NA	Solid	8015 NM	
880-60810-11	B-11	Total/NA	Solid	8015 NM	
880-60810-12	B-12	Total/NA	Solid	8015 NM	
880-60810-13	B-13	Total/NA	Solid	8015 NM	
880-60810-14	B-14	Total/NA	Solid	8015 NM	
880-60810-15	B-15	Total/NA	Solid	8015 NM	
880-60810-16	S-1	Total/NA	Solid	8015 NM	
880-60810-17	S-2	Total/NA	Solid	8015 NM	
880-60810-18	S-3	Total/NA	Solid	8015 NM	
880-60810-19	S-4	Total/NA	Solid	8015 NM	
880-60810-20	S-5	Total/NA	Solid	8015 NM	
880-60810-21	S-6	Total/NA	Solid	8015 NM	
880-60810-22	S-7	Total/NA	Solid	8015 NM	
880-60810-23	S-8	Total/NA	Solid	8015 NM	
880-60810-24	S-9	Total/NA	Solid	8015 NM	
880-60810-25	S-10	Total/NA	Solid	8015 NM	
880-60810-26	S-11	Total/NA	Solid	8015 NM	
880-60810-27	S-12	Total/NA	Solid	8015 NM	
880-60810-28	S-13	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-12	B-12	Soluble	Solid	DI Leach	
880-60810-13	B-13	Soluble	Solid	DI Leach	
880-60810-14	B-14	Soluble	Solid	DI Leach	
880-60810-15	B-15	Soluble	Solid	DI Leach	
880-60810-16	S-1	Soluble	Solid	DI Leach	
880-60810-17	S-2	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Leach Batch: 115110 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-18	S-3	Soluble	Solid	DI Leach	
880-60810-19	S-4	Soluble	Solid	DI Leach	
880-60810-20	S-5	Soluble	Solid	DI Leach	
880-60810-21	S-6	Soluble	Solid	DI Leach	
880-60810-22	S-7	Soluble	Solid	DI Leach	
880-60810-23	S-8	Soluble	Solid	DI Leach	
880-60810-24	S-9	Soluble	Solid	DI Leach	
880-60810-25	S-10	Soluble	Solid	DI Leach	
880-60810-26	S-11	Soluble	Solid	DI Leach	
880-60810-27	S-12	Soluble	Solid	DI Leach	
880-60810-28	S-13	Soluble	Solid	DI Leach	
MB 880-115110/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115110/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115110/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60810-12 MS	B-12	Soluble	Solid	DI Leach	
880-60810-12 MSD	B-12	Soluble	Solid	DI Leach	
880-60810-22 MS	S-7	Soluble	Solid	DI Leach	
880-60810-22 MSD	S-7	Soluble	Solid	DI Leach	

Leach Batch: 115124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-1	B-1	Soluble	Solid	DI Leach	
880-60810-2	B-2	Soluble	Solid	DI Leach	
880-60810-3	B-3	Soluble	Solid	DI Leach	
880-60810-4	B-4	Soluble	Solid	DI Leach	
880-60810-5	B-5	Soluble	Solid	DI Leach	
880-60810-6	B-6	Soluble	Solid	DI Leach	
880-60810-7	B-7	Soluble	Solid	DI Leach	
880-60810-8	B-8	Soluble	Solid	DI Leach	
880-60810-9	B-9	Soluble	Solid	DI Leach	
880-60810-10	B-10	Soluble	Solid	DI Leach	
880-60810-11	B-11	Soluble	Solid	DI Leach	
MB 880-115124/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115124/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115124/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60810-2 MS	B-2	Soluble	Solid	DI Leach	
880-60810-2 MSD	B-2	Soluble	Solid	DI Leach	

Analysis Batch: 115189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-1	B-1	Soluble	Solid	300.0	115124
880-60810-2	B-2	Soluble	Solid	300.0	115124
880-60810-3	B-3	Soluble	Solid	300.0	115124
880-60810-4	B-4	Soluble	Solid	300.0	115124
880-60810-5	B-5	Soluble	Solid	300.0	115124
880-60810-6	B-6	Soluble	Solid	300.0	115124
880-60810-7	B-7	Soluble	Solid	300.0	115124
880-60810-8	B-8	Soluble	Solid	300.0	115124
880-60810-9	B-9	Soluble	Solid	300.0	115124
880-60810-10	B-10	Soluble	Solid	300.0	115124
880-60810-11	B-11	Soluble	Solid	300.0	115124

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 115189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-115124/1-A	Method Blank	Soluble	Solid	300.0	115124
LCS 880-115124/2-A	Lab Control Sample	Soluble	Solid	300.0	115124
LCSD 880-115124/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115124
880-60810-2 MS	B-2	Soluble	Solid	300.0	115124
880-60810-2 MSD	B-2	Soluble	Solid	300.0	115124

Analysis Batch: 115191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60810-12	B-12	Soluble	Solid	300.0	115110
880-60810-13	B-13	Soluble	Solid	300.0	115110
880-60810-14	B-14	Soluble	Solid	300.0	115110
880-60810-15	B-15	Soluble	Solid	300.0	115110
880-60810-16	S-1	Soluble	Solid	300.0	115110
880-60810-17	S-2	Soluble	Solid	300.0	115110
880-60810-18	S-3	Soluble	Solid	300.0	115110
880-60810-19	S-4	Soluble	Solid	300.0	115110
880-60810-20	S-5	Soluble	Solid	300.0	115110
880-60810-21	S-6	Soluble	Solid	300.0	115110
880-60810-22	S-7	Soluble	Solid	300.0	115110
880-60810-23	S-8	Soluble	Solid	300.0	115110
880-60810-24	S-9	Soluble	Solid	300.0	115110
880-60810-25	S-10	Soluble	Solid	300.0	115110
880-60810-26	S-11	Soluble	Solid	300.0	115110
880-60810-27	S-12	Soluble	Solid	300.0	115110
880-60810-28	S-13	Soluble	Solid	300.0	115110
MB 880-115110/1-A	Method Blank	Soluble	Solid	300.0	115110
LCS 880-115110/2-A	Lab Control Sample	Soluble	Solid	300.0	115110
LCSD 880-115110/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115110
880-60810-12 MS	B-12	Soluble	Solid	300.0	115110
880-60810-12 MSD	B-12	Soluble	Solid	300.0	115110
880-60810-22 MS	S-7	Soluble	Solid	300.0	115110
880-60810-22 MSD	S-7	Soluble	Solid	300.0	115110

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-1

Lab Sample ID: 880-60810-1

Date Collected: 07/24/25 09:30

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 22:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/28/25 22:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 19:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 19:18	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 19:15	CS	EET MID

Client Sample ID: B-2

Lab Sample ID: 880-60810-2

Date Collected: 07/24/25 10:55

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 22:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/28/25 22:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 19:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 19:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 19:21	CS	EET MID

Client Sample ID: B-3

Lab Sample ID: 880-60810-3

Date Collected: 07/24/25 09:33

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/28/25 23:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 19:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 19:50	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 19:38	CS	EET MID

Client Sample ID: B-4

Lab Sample ID: 880-60810-4

Date Collected: 07/24/25 09:36

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/28/25 23:33	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-4

Lab Sample ID: 880-60810-4

Date Collected: 07/24/25 09:36

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115377	07/29/25 20:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 20:06	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 19:44	CS	EET MID

Client Sample ID: B-5

Lab Sample ID: 880-60810-5

Date Collected: 07/24/25 09:39

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/28/25 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/28/25 23:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 20:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 20:38	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 20:01	CS	EET MID

Client Sample ID: B-6

Lab Sample ID: 880-60810-6

Date Collected: 07/24/25 09:42

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 00:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 20:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 20:54	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 20:06	CS	EET MID

Client Sample ID: B-7

Lab Sample ID: 880-60810-7

Date Collected: 07/24/25 09:45

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 00:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 21:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 21:09	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-7

Lab Sample ID: 880-60810-7

Date Collected: 07/24/25 09:45

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 20:12	CS	EET MID

Client Sample ID: B-8

Lab Sample ID: 880-60810-8

Date Collected: 07/24/25 09:48

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 00:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 21:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 21:25	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 20:18	CS	EET MID

Client Sample ID: B-9

Lab Sample ID: 880-60810-9

Date Collected: 07/24/25 09:51

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 01:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 21:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 21:41	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 20:23	CS	EET MID

Client Sample ID: B-10

Lab Sample ID: 880-60810-10

Date Collected: 07/24/25 09:54

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 01:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 21:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 21:57	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 20:29	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-11

Lab Sample ID: 880-60810-11

Date Collected: 07/24/25 09:58

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 02:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 22:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 22:12	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 20:35	CS	EET MID

Client Sample ID: B-12

Lab Sample ID: 880-60810-12

Date Collected: 07/24/25 10:58

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 03:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 03:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 22:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 22:29	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 19:10	CS	EET MID

Client Sample ID: B-13

Lab Sample ID: 880-60810-13

Date Collected: 07/24/25 10:02

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 03:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 03:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 22:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 22:44	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 19:33	CS	EET MID

Client Sample ID: B-14

Lab Sample ID: 880-60810-14

Date Collected: 07/24/25 10:06

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 04:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 04:00	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: B-14

Lab Sample ID: 880-60810-14

Date Collected: 07/24/25 10:06

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115377	07/29/25 22:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 22:59	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 19:40	CS	EET MID

Client Sample ID: B-15

Lab Sample ID: 880-60810-15

Date Collected: 07/24/25 10:10

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 04:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 17:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 17:12	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 19:48	CS	EET MID

Client Sample ID: S-1

Lab Sample ID: 880-60810-16

Date Collected: 07/24/25 10:14

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 04:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 04:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 18:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 18:00	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 19:56	CS	EET MID

Client Sample ID: S-2

Lab Sample ID: 880-60810-17

Date Collected: 07/24/25 10:18

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 05:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 05:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 18:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 18:15	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-2

Date Collected: 07/24/25 10:18

Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 20:18	CS	EET MID

Client Sample ID: S-3

Date Collected: 07/24/25 10:21

Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 05:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 05:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 18:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 18:31	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 20:26	CS	EET MID

Client Sample ID: S-4

Date Collected: 07/24/25 10:24

Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 05:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 05:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 18:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 18:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 20:34	CS	EET MID

Client Sample ID: S-5

Date Collected: 07/24/25 10:28

Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	115106	07/28/25 09:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115086	07/29/25 06:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 06:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 19:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 19:03	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 20:41	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-6

Date Collected: 07/24/25 10:31

Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 03:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 03:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 19:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 19:18	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 20:49	CS	EET MID

Client Sample ID: S-7

Date Collected: 07/24/25 10:34

Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 04:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 04:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 19:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 19:34	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 20:57	CS	EET MID

Client Sample ID: S-8

Date Collected: 07/24/25 10:37

Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 04:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 04:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 19:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 19:50	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 21:20	CS	EET MID

Client Sample ID: S-9

Date Collected: 07/24/25 10:40

Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 05:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 05:00	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-9
Date Collected: 07/24/25 10:40
Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115377	07/29/25 20:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 20:06	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 21:27	CS	EET MID

Client Sample ID: S-10
Date Collected: 07/24/25 10:43
Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 05:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 05:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 20:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 20:38	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 21:50	CS	EET MID

Client Sample ID: S-11
Date Collected: 07/24/25 10:47
Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 05:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 05:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 20:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 20:54	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 21:58	CS	EET MID

Client Sample ID: S-12
Date Collected: 07/24/25 10:50
Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 06:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 06:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 21:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 21:09	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Client Sample ID: S-12
Date Collected: 07/24/25 10:50
Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 22:05	CS	EET MID

Client Sample ID: S-13
Date Collected: 07/24/25 10:53
Date Received: 07/25/25 13:05

Lab Sample ID: 880-60810-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 06:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115292	07/29/25 06:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			115377	07/29/25 21:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115107	07/28/25 09:53	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115274	07/29/25 21:25	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115110	07/28/25 10:24	SI	EET MID
Soluble	Analysis	300.0		1			115191	07/28/25 22:13	CS	EET MID

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60810-1
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: State J 2 #17

Job ID: 880-60810-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-60810-1	B-1	Solid	07/24/25 09:30	07/25/25 13:05	1.5'
880-60810-2	B-2	Solid	07/24/25 10:55	07/25/25 13:05	1.5'
880-60810-3	B-3	Solid	07/24/25 09:33	07/25/25 13:05	1.5'
880-60810-4	B-4	Solid	07/24/25 09:36	07/25/25 13:05	1.5'
880-60810-5	B-5	Solid	07/24/25 09:39	07/25/25 13:05	1.5'
880-60810-6	B-6	Solid	07/24/25 09:42	07/25/25 13:05	1.5'
880-60810-7	B-7	Solid	07/24/25 09:45	07/25/25 13:05	1.5'
880-60810-8	B-8	Solid	07/24/25 09:48	07/25/25 13:05	3'
880-60810-9	B-9	Solid	07/24/25 09:51	07/25/25 13:05	4'
880-60810-10	B-10	Solid	07/24/25 09:54	07/25/25 13:05	4'
880-60810-11	B-11	Solid	07/24/25 09:58	07/25/25 13:05	4'
880-60810-12	B-12	Solid	07/24/25 10:58	07/25/25 13:05	4'
880-60810-13	B-13	Solid	07/24/25 10:02	07/25/25 13:05	4'
880-60810-14	B-14	Solid	07/24/25 10:06	07/25/25 13:05	4'
880-60810-15	B-15	Solid	07/24/25 10:10	07/25/25 13:05	4'
880-60810-16	S-1	Solid	07/24/25 10:14	07/25/25 13:05	0-1.5'
880-60810-17	S-2	Solid	07/24/25 10:18	07/25/25 13:05	0-1.5'
880-60810-18	S-3	Solid	07/24/25 10:21	07/25/25 13:05	0-1.5'
880-60810-19	S-4	Solid	07/24/25 10:24	07/25/25 13:05	0-1.5'
880-60810-20	S-5	Solid	07/24/25 10:28	07/25/25 13:05	0-1.5'
880-60810-21	S-6	Solid	07/24/25 10:31	07/25/25 13:05	0-1.5'
880-60810-22	S-7	Solid	07/24/25 10:34	07/25/25 13:05	0-4'
880-60810-23	S-8	Solid	07/24/25 10:37	07/25/25 13:05	0-4'
880-60810-24	S-9	Solid	07/24/25 10:40	07/25/25 13:05	0-4'
880-60810-25	S-10	Solid	07/24/25 10:43	07/25/25 13:05	0-4'
880-60810-26	S-11	Solid	07/24/25 10:47	07/25/25 13:05	0-4'
880-60810-27	S-12	Solid	07/24/25 10:50	07/25/25 13:05	0-4'
880-60810-28	S-13	Solid	07/24/25 10:53	07/25/25 13:05	0-3'



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



880-60810 Chain of Custody

www.xenco.com Page 1 of 3

Project Manager:	Cindy Crain	Bill to: (if different)	Leasa Hale
Company Name:	Crain Environmental	Company Name:	SWR
Address:	2925 E. 17th St.	Address:	P.O. Box 53570
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Midland, TX 79710
Phone:	(575) 441-7244	Email:	Cindy.Crain@gmail.com

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 Name:	State J2 #17		Turn Around	ANALYSIS REQUEST												Preservative Codes				
Project Number:	NAPP2511834534		☒ Routine ☐ Rush	Pres. Code														None: NO	DI Water: H ₂ O	
Project Location:	Lea Co., NM		Due Date:	Parameters TPH 8015M BTEX Chlorides														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 ₃ PO ₄ : HP
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:	F128																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☐ No ☒ N/A	Correction Factor:	-1																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☐ No ☒ N/A	Temperature Reading:	1.5																Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	1.4																NaOH+Ascorbic Acid: SAPC	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont													Sample Comments	
B-1	S	7/24/25	0930	1.5'	C	1														
B-2			1055																	
B-3			0933																	
B-4			0936																	
B-5			0939																	
B-6			0942																	
B-7			0945																	
B-8			0948	3'																
B-9			0951	4'																
B-10			0954	4'																

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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
1	Cindy Crain	7/25/25 1305	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Cindy Crain	Bill to: (if different)	Leasa Hale
Company Name:	Crain Environmental	Company Name:	SWR
Address:	2925 E. 17th St.	Address:	P.O. Box 53570
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Midland, TX 79710
Phone:	(575) 441-7244	Email:	Cindy.crain@gmail.com

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

[illegible]

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		7/25/25 13:05	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Cindy Crain	Bill to: (if different)	Leasa Hale
Company Name:	Crain Environmental	Company Name:	SWR
Address:	2925 E. 17th St.	Address:	P.O. Box 53570
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Midland, TX 79710
Phone:	(575) 441-7244	Email:	Cindy.Crain@gmail.com

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:		

[illegible]

Total 200.7/6010	200.8/6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP/SPLP 6010 : 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 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	
1			7/25/25	1305	2
3					4
5					6

Revised Date: 08/25/2020 Rev. 2020.2

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-60810-1

SDG Number: Lea Co. NM

Login Number: 60810

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 8/18/2025 11:38:28 AM

JOB DESCRIPTION

State J 2 #17
Lea County, NM

JOB NUMBER

880-61300-1

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
8/18/2025 11:38:28 AM

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

Client: Crain Environmental
Project/Site: State J 2 #17

Laboratory Job ID: 880-61300-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: State J 2 #17

Job ID: 880-61300-1

Job ID: 880-61300-1

Eurofins Midland

Job Narrative 880-61300-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/8/2025 2:09 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 -1.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (880-61300-1), S-2 (880-61300-2), S-6 (880-61300-3), S-10 (880-61300-4), S-11 (880-61300-5), S-12 (880-61300-6), B-3 (880-61300-7), B-4 (880-61300-8), B-5 (880-61300-9), B-12 (880-61300-10) and B-13 (880-61300-11).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-116277 and analytical batch 880-116443 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-116277 and analytical batch 880-116443 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (880-61300-1), S-6 (880-61300-3), S-10 (880-61300-4), S-11 (880-61300-5), S-12 (880-61300-6), B-3 (880-61300-7), B-4 (880-61300-8), B-5 (880-61300-9), B-12 (880-61300-10) and B-13 (880-61300-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-116251 and analytical batch 880-116852 contained Diesel Range Organics (Over C10-C28) 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: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: S-1

Lab Sample ID: 880-61300-1

Date Collected: 08/07/25 11:00

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		08/08/25 15:53	08/12/25 20:28	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/08/25 15:53	08/12/25 20:28	1
Ethylbenzene	0.00158	J	0.00198	0.00108	mg/Kg		08/08/25 15:53	08/12/25 20:28	1
m-Xylene & p-Xylene	<0.00227	U	0.00397	0.00227	mg/Kg		08/08/25 15:53	08/12/25 20:28	1
o-Xylene	<0.00157	U **	0.00198	0.00157	mg/Kg		08/08/25 15:53	08/12/25 20:28	1
Xylenes, Total	<0.00227	U **	0.00397	0.00227	mg/Kg		08/08/25 15:53	08/12/25 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	08/08/25 15:53	08/12/25 20:28	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/08/25 15:53	08/12/25 20:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00397	0.00227	mg/Kg			08/12/25 20:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			08/17/25 02:51	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	<14.5	U	49.9	14.5	mg/Kg		08/08/25 13:20	08/17/25 02:51	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		08/08/25 13:20	08/17/25 02:51	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		08/08/25 13:20	08/17/25 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	08/08/25 13:20	08/17/25 02:51	1
o-Terphenyl	112		70 - 130	08/08/25 13:20	08/17/25 02:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.15	J	9.92	0.392	mg/Kg			08/13/25 05:58	1

Client Sample ID: S-2

Lab Sample ID: 880-61300-2

Date Collected: 08/07/25 11:05

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		08/08/25 15:53	08/12/25 22:19	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/08/25 15:53	08/12/25 22:19	1
Ethylbenzene	0.00126	J	0.00198	0.00108	mg/Kg		08/08/25 15:53	08/12/25 22:19	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		08/08/25 15:53	08/12/25 22:19	1
o-Xylene	<0.00157	U **	0.00198	0.00157	mg/Kg		08/08/25 15:53	08/12/25 22:19	1
Xylenes, Total	<0.00226	U **	0.00396	0.00226	mg/Kg		08/08/25 15:53	08/12/25 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/08/25 15:53	08/12/25 22:19	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: S-2

Lab Sample ID: 880-61300-2

Date Collected: 08/07/25 11:05

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	08/08/25 15:53	08/12/25 22:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			08/12/25 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			08/17/25 03:06	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	<14.5	U	50.0	14.5	mg/Kg		08/08/25 13:20	08/17/25 03:06	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 13:20	08/17/25 03:06	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 13:20	08/17/25 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/08/25 13:20	08/17/25 03:06	1
o-Terphenyl	107		70 - 130				08/08/25 13:20	08/17/25 03:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.23	J	9.94	0.393	mg/Kg			08/13/25 06:04	1

Client Sample ID: S-6

Lab Sample ID: 880-61300-3

Date Collected: 08/07/25 11:10

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-2"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		08/08/25 15:53	08/12/25 22:40	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/08/25 15:53	08/12/25 22:40	1
Ethylbenzene	0.00138	J	0.00201	0.00109	mg/Kg		08/08/25 15:53	08/12/25 22:40	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		08/08/25 15:53	08/12/25 22:40	1
o-Xylene	<0.00159	U **	0.00201	0.00159	mg/Kg		08/08/25 15:53	08/12/25 22:40	1
Xylenes, Total	<0.00229	U **	0.00402	0.00229	mg/Kg		08/08/25 15:53	08/12/25 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	08/08/25 15:53	08/12/25 22:40	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/08/25 15:53	08/12/25 22:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			08/12/25 22:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			08/17/25 03:21	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: S-6

Lab Sample ID: 880-61300-3

Date Collected: 08/07/25 11:10

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-2"

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	<14.5	U	49.9	14.5	mg/Kg	-	08/08/25 13:20	08/17/25 03:21	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg	-	08/08/25 13:20	08/17/25 03:21	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg	-	08/08/25 13:20	08/17/25 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				08/08/25 13:20	08/17/25 03:21	1
o-Terphenyl	118		70 - 130				08/08/25 13:20	08/17/25 03:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.55	J	10.1	0.397	mg/Kg	-		08/13/25 06:09	1

Client Sample ID: S-10

Lab Sample ID: 880-61300-4

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg	-	08/08/25 15:53	08/12/25 23:00	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	08/08/25 15:53	08/12/25 23:00	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg	-	08/08/25 15:53	08/12/25 23:00	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg	-	08/08/25 15:53	08/12/25 23:00	1
o-Xylene	<0.00157	U **	0.00199	0.00157	mg/Kg	-	08/08/25 15:53	08/12/25 23:00	1
Xylenes, Total	<0.00227	U **	0.00398	0.00227	mg/Kg	-	08/08/25 15:53	08/12/25 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				08/08/25 15:53	08/12/25 23:00	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/08/25 15:53	08/12/25 23:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg	-		08/12/25 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg	-		08/17/25 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	<14.5	U	50.0	14.5	mg/Kg	-	08/08/25 13:20	08/17/25 03:38	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	08/08/25 13:20	08/17/25 03:38	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	08/08/25 13:20	08/17/25 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/08/25 13:20	08/17/25 03:38	1
o-Terphenyl	123		70 - 130				08/08/25 13:20	08/17/25 03:38	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: S-10

Lab Sample ID: 880-61300-4

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-4.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.98	J	10.0	0.397	mg/Kg			08/13/25 06:26	1

Client Sample ID: S-11

Lab Sample ID: 880-61300-5

Date Collected: 08/07/25 11:18

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		08/08/25 15:53	08/12/25 23:20	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		08/08/25 15:53	08/12/25 23:20	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		08/08/25 15:53	08/12/25 23:20	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		08/08/25 15:53	08/12/25 23:20	1
o-Xylene	<0.00160	U **	0.00202	0.00160	mg/Kg		08/08/25 15:53	08/12/25 23:20	1
Xylenes, Total	<0.00231	U **	0.00404	0.00231	mg/Kg		08/08/25 15:53	08/12/25 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				08/08/25 15:53	08/12/25 23:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/08/25 15:53	08/12/25 23:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			08/12/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	35.8	J	50.0	15.1	mg/Kg			08/17/25 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	<14.5	U	50.0	14.5	mg/Kg		08/08/25 13:20	08/17/25 03:53	1
Diesel Range Organics (Over C10-C28)	17.8	J B	50.0	15.1	mg/Kg		08/08/25 13:20	08/17/25 03:53	1
Oil Range Organics (Over C28-C36)	18.0	J	50.0	15.1	mg/Kg		08/08/25 13:20	08/17/25 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/08/25 13:20	08/17/25 03:53	1
o-Terphenyl	118		70 - 130				08/08/25 13:20	08/17/25 03:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.00	J	9.96	0.393	mg/Kg			08/13/25 06:32	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: S-12

Lab Sample ID: 880-61300-6

Date Collected: 08/07/25 11:21

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00202	0.00140	mg/Kg		08/08/25 15:53	08/12/25 23:41	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		08/08/25 15:53	08/12/25 23:41	1
Ethylbenzene	0.00158	J	0.00202	0.00110	mg/Kg		08/08/25 15:53	08/12/25 23:41	1
m-Xylene & p-Xylene	<0.00230	U	0.00403	0.00230	mg/Kg		08/08/25 15:53	08/12/25 23:41	1
o-Xylene	<0.00160	U **	0.00202	0.00160	mg/Kg		08/08/25 15:53	08/12/25 23:41	1
Xylenes, Total	<0.00230	U **	0.00403	0.00230	mg/Kg		08/08/25 15:53	08/12/25 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				08/08/25 15:53	08/12/25 23:41	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/08/25 15:53	08/12/25 23:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00403	0.00230	mg/Kg			08/12/25 23:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			08/17/25 04:07	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	<14.5	U	49.8	14.5	mg/Kg		08/08/25 13:20	08/17/25 04:07	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		08/08/25 13:20	08/17/25 04:07	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		08/08/25 13:20	08/17/25 04:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/08/25 13:20	08/17/25 04:07	1
o-Terphenyl	112		70 - 130				08/08/25 13:20	08/17/25 04:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.09	J	9.90	0.391	mg/Kg			08/13/25 06:49	1

Client Sample ID: B-3

Lab Sample ID: 880-61300-7

Date Collected: 08/07/25 11:25

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		08/08/25 15:53	08/13/25 00:01	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		08/08/25 15:53	08/13/25 00:01	1
Ethylbenzene	0.00154	J	0.00199	0.00108	mg/Kg		08/08/25 15:53	08/13/25 00:01	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		08/08/25 15:53	08/13/25 00:01	1
o-Xylene	<0.00157	U **	0.00199	0.00157	mg/Kg		08/08/25 15:53	08/13/25 00:01	1
Xylenes, Total	<0.00227	U **	0.00398	0.00227	mg/Kg		08/08/25 15:53	08/13/25 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				08/08/25 15:53	08/13/25 00:01	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: B-3

Lab Sample ID: 880-61300-7

Date Collected: 08/07/25 11:25

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	08/08/25 15:53	08/13/25 00:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			08/13/25 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	35.1	J	49.9	15.1	mg/Kg			08/17/25 04:22	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	<14.5	U	49.9	14.5	mg/Kg		08/08/25 13:20	08/17/25 04:22	1
Diesel Range Organics (Over C10-C28)	18.1	J B	49.9	15.1	mg/Kg		08/08/25 13:20	08/17/25 04:22	1
Oil Range Organics (Over C28-C36)	17.0	J	49.9	15.1	mg/Kg		08/08/25 13:20	08/17/25 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/08/25 13:20	08/17/25 04:22	1
o-Terphenyl	115		70 - 130				08/08/25 13:20	08/17/25 04:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.38	J	9.94	0.393	mg/Kg			08/13/25 06:55	1

Client Sample ID: B-4

Lab Sample ID: 880-61300-8

Date Collected: 08/07/25 11:28

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/08/25 15:53	08/13/25 00:22	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/08/25 15:53	08/13/25 00:22	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/08/25 15:53	08/13/25 00:22	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		08/08/25 15:53	08/13/25 00:22	1
o-Xylene	<0.00158	U *	0.00200	0.00158	mg/Kg		08/08/25 15:53	08/13/25 00:22	1
Xylenes, Total	<0.00228	U *	0.00399	0.00228	mg/Kg		08/08/25 15:53	08/13/25 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				08/08/25 15:53	08/13/25 00:22	1
1,4-Difluorobenzene (Surr)	106		70 - 130				08/08/25 15:53	08/13/25 00:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			08/13/25 00:22	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: B-4

Lab Sample ID: 880-61300-8

Date Collected: 08/07/25 11:28

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.5	U	50.0	15.1	mg/Kg			08/17/25 04:37	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	<14.5	U	50.0	14.5	mg/Kg		08/08/25 13:20	08/17/25 04:37	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 13:20	08/17/25 04:37	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 13:20	08/17/25 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/08/25 13:20	08/17/25 04:37	1
o-Terphenyl	116		70 - 130				08/08/25 13:20	08/17/25 04:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.20	J	10.0	0.395	mg/Kg			08/13/25 07:00	1

Client Sample ID: B-5

Lab Sample ID: 880-61300-9

Date Collected: 08/07/25 11:33

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/08/25 15:53	08/13/25 00:42	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/08/25 15:53	08/13/25 00:42	1
Ethylbenzene	0.00187	J	0.00200	0.00109	mg/Kg		08/08/25 15:53	08/13/25 00:42	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/08/25 15:53	08/13/25 00:42	1
o-Xylene	<0.00158	U *	0.00200	0.00158	mg/Kg		08/08/25 15:53	08/13/25 00:42	1
Xylenes, Total	<0.00229	U *	0.00400	0.00229	mg/Kg		08/08/25 15:53	08/13/25 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				08/08/25 15:53	08/13/25 00:42	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/08/25 15:53	08/13/25 00:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			08/13/25 00:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			08/17/25 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		08/08/25 13:20	08/17/25 04:52	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		08/08/25 13:20	08/17/25 04:52	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		08/08/25 13:20	08/17/25 04:52	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: B-5

Lab Sample ID: 880-61300-9

Date Collected: 08/07/25 11:33

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	08/08/25 13:20	08/17/25 04:52	1
o-Terphenyl	115		70 - 130	08/08/25 13:20	08/17/25 04:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.43	J	9.98	0.394	mg/Kg			08/13/25 07:06	1

Client Sample ID: B-12

Lab Sample ID: 880-61300-10

Date Collected: 08/07/25 11:37

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/08/25 15:53	08/13/25 01:02	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/08/25 15:53	08/13/25 01:02	1
Ethylbenzene	0.00195	J	0.00200	0.00109	mg/Kg		08/08/25 15:53	08/13/25 01:02	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/08/25 15:53	08/13/25 01:02	1
o-Xylene	<0.00158	U **	0.00200	0.00158	mg/Kg		08/08/25 15:53	08/13/25 01:02	1
Xylenes, Total	<0.00229	U **	0.00400	0.00229	mg/Kg		08/08/25 15:53	08/13/25 01:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130	08/08/25 15:53	08/13/25 01:02	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/08/25 15:53	08/13/25 01:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			08/13/25 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.7	J	50.0	15.1	mg/Kg			08/16/25 22:37	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	<14.5	U	50.0	14.5	mg/Kg		08/08/25 14:52	08/16/25 22:37	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 14:52	08/16/25 22:37	1
Oil Range Organics (Over C28-C36)	18.7	J	50.0	15.1	mg/Kg		08/08/25 14:52	08/16/25 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	08/08/25 14:52	08/16/25 22:37	1
o-Terphenyl	95		70 - 130	08/08/25 14:52	08/16/25 22:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.33	J	10.0	0.397	mg/Kg			08/13/25 07:12	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: B-13

Lab Sample ID: 880-61300-11

Date Collected: 08/07/25 11:41

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg	-	08/08/25 15:53	08/13/25 01:23	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	08/08/25 15:53	08/13/25 01:23	1
Ethylbenzene	0.00220		0.00200	0.00109	mg/Kg	-	08/08/25 15:53	08/13/25 01:23	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg	-	08/08/25 15:53	08/13/25 01:23	1
o-Xylene	<0.00158	U **	0.00200	0.00158	mg/Kg	-	08/08/25 15:53	08/13/25 01:23	1
Xylenes, Total	<0.00229	U **	0.00400	0.00229	mg/Kg	-	08/08/25 15:53	08/13/25 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130				08/08/25 15:53	08/13/25 01:23	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/08/25 15:53	08/13/25 01:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg	-		08/13/25 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg	-		08/16/25 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg	-	08/08/25 14:52	08/16/25 23:25	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	08/08/25 14:52	08/16/25 23:25	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	08/08/25 14:52	08/16/25 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/08/25 14:52	08/16/25 23:25	1
o-Terphenyl	94		70 - 130				08/08/25 14:52	08/16/25 23:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.30	J	10.1	0.399	mg/Kg	-		08/13/25 07:17	1

Eurofins Midland

Surrogate Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, 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)
880-61283-A-1-C MS	Matrix Spike	123	98
880-61283-A-1-D MSD	Matrix Spike Duplicate	117	96
880-61300-1	S-1	139 S1+	110
880-61300-2	S-2	111	104
880-61300-3	S-6	133 S1+	109
880-61300-4	S-10	148 S1+	116
880-61300-5	S-11	133 S1+	101
880-61300-6	S-12	153 S1+	111
880-61300-7	B-3	133 S1+	108
880-61300-8	B-4	148 S1+	106
880-61300-9	B-5	136 S1+	109
880-61300-10	B-12	157 S1+	111
880-61300-11	B-13	151 S1+	107
LCS 880-116277/1-A	Lab Control Sample	110	89
LCSD 880-116277/2-A	Lab Control Sample Dup	128	96
MB 880-116277/5-A	Method Blank	170 S1+	90
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)
880-61288-A-5-B MS	Matrix Spike	103	104
880-61288-A-5-C MSD	Matrix Spike Duplicate	120	122
880-61300-1	S-1	101	112
880-61300-2	S-2	97	107
880-61300-3	S-6	108	118
880-61300-4	S-10	112	123
880-61300-5	S-11	102	118
880-61300-6	S-12	102	112
880-61300-7	B-3	101	115
880-61300-8	B-4	103	116
880-61300-9	B-5	107	115
880-61300-10	B-12	99	95
880-61300-10 MS	B-12	98	88
880-61300-10 MSD	B-12	96	88
880-61300-11	B-13	99	94
LCS 880-116251/2-A	Lab Control Sample	116	129
LCS 880-116265/2-A	Lab Control Sample	104	117
LCSD 880-116251/3-A	Lab Control Sample Dup	119	121
LCSD 880-116265/3-A	Lab Control Sample Dup	117	108
MB 880-116251/1-A	Method Blank	90	104
MB 880-116265/1-A	Method Blank	71	70
Surrogate Legend			
1CO = 1-Chlorooctane			

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Surrogate Summary

Client: Crain Environmental
Project/Site: State J 2 #17
OTPH = o-Terphenyl

Job ID: 880-61300-1
SDG: Lea County, NM

- 1
- 2
- 3
- 4
- 5
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- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116277/5-A

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/08/25 15:53	08/12/25 16:55	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/08/25 15:53	08/12/25 16:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130	08/08/25 15:53	08/12/25 16:55	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/08/25 15:53	08/12/25 16:55	1

Lab Sample ID: LCS 880-116277/1-A

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09406		mg/Kg		94	70 - 130
Toluene	0.100	0.09738		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09799		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2283		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1204		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-116277/2-A

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09770		mg/Kg		98	70 - 130	4	35
Toluene	0.100	0.09589		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.09921		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2548		mg/Kg		127	70 - 130	11	35
o-Xylene	0.100	0.1373	*+	mg/Kg		137	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-61283-A-1-C MS

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.09281		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.100	0.08782		mg/Kg		88	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

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

Lab Sample ID: 880-61283-A-1-C MS

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00291		0.100	0.07633		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1748		mg/Kg		87	70 - 130
o-Xylene	<0.00158	U *	0.100	0.1088		mg/Kg		109	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	123		70 - 130						
1,4-Difluorobenzene (Surr)	98		70 - 130						

Lab Sample ID: 880-61283-A-1-D MSD

Matrix: Solid

Analysis Batch: 116443

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.08578		mg/Kg		86	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.08161		mg/Kg		82	70 - 130	7	35
Ethylbenzene	0.00291		0.100	0.07773		mg/Kg		75	70 - 130	2	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1941		mg/Kg		97	70 - 130	10	35
o-Xylene	<0.00158	U *	0.100	0.1072		mg/Kg		107	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	117		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

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

Lab Sample ID: MB 880-116251/1-A

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/08/25 13:20	08/16/25 20:20	1
Diesel Range Organics (Over C10-C28)	15.90	J	50.0	15.1	mg/Kg		08/08/25 13:20	08/16/25 20:20	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 13:20	08/16/25 20:20	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/08/25 13:20	08/16/25 20:20	1
o-Terphenyl	104		70 - 130				08/08/25 13:20	08/16/25 20:20	1

Lab Sample ID: LCS 880-116251/2-A

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1170		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1054		mg/Kg		105	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-116251/2-A

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116251

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: LCSD 880-116251/3-A

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116251

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1152		mg/Kg		115	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 880-61288-A-5-B MS

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	1005		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	999	880.1		mg/Kg		88	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-61288-A-5-C MSD

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116251

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	<14.5	U	999	1189		mg/Kg		119	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<15.1	U	999	1050		mg/Kg		105	70 - 130	18	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	122		70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-116265/1-A

Matrix: Solid

Analysis Batch: 116855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116265

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/08/25 14:52	08/16/25 21:30	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 14:52	08/16/25 21:30	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 14:52	08/16/25 21:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				08/08/25 14:52	08/16/25 21:30	1
o-Terphenyl	70		70 - 130				08/08/25 14:52	08/16/25 21:30	1

Lab Sample ID: LCS 880-116265/2-A

Matrix: Solid

Analysis Batch: 116855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	958.9		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1014		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	104		70 - 130				
o-Terphenyl	117		70 - 130				

Lab Sample ID: LCSD 880-116265/3-A

Matrix: Solid

Analysis Batch: 116855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116265

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	934.4		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	913.0		mg/Kg		91	70 - 130	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	108		70 - 130						

Lab Sample ID: 880-61300-10 MS

Matrix: Solid

Analysis Batch: 116855

Client Sample ID: B-12

Prep Type: Total/NA

Prep Batch: 116265

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	798.7		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	999	877.0		mg/Kg		88	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

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

Lab Sample ID: 880-61300-10 MS

Matrix: Solid

Analysis Batch: 116855

Client Sample ID: B-12

Prep Type: Total/NA

Prep Batch: 116265

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-61300-10 MSD

Matrix: Solid

Analysis Batch: 116855

Client Sample ID: B-12

Prep Type: Total/NA

Prep Batch: 116265

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	<14.5	U	999	758.9		mg/Kg		76	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<15.1	U	999	838.6		mg/Kg		84	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	88		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116275/1-A

Matrix: Solid

Analysis Batch: 116482

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			08/13/25 04:33	1

Lab Sample ID: LCS 880-116275/2-A

Matrix: Solid

Analysis Batch: 116482

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.5		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-116275/3-A

Matrix: Solid

Analysis Batch: 116482

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	236.5		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-61300-3 MS

Matrix: Solid

Analysis Batch: 116482

Client Sample ID: S-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.55	J	252	247.0		mg/Kg		97	90 - 110

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-61300-3 MSD							Client Sample ID: S-6					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 116482												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	3.55	J	252	246.9		mg/Kg		97	90 - 110	0	20	

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

GC VOA

Prep Batch: 116277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-1	S-1	Total/NA	Solid	5035	
880-61300-2	S-2	Total/NA	Solid	5035	
880-61300-3	S-6	Total/NA	Solid	5035	
880-61300-4	S-10	Total/NA	Solid	5035	
880-61300-5	S-11	Total/NA	Solid	5035	
880-61300-6	S-12	Total/NA	Solid	5035	
880-61300-7	B-3	Total/NA	Solid	5035	
880-61300-8	B-4	Total/NA	Solid	5035	
880-61300-9	B-5	Total/NA	Solid	5035	
880-61300-10	B-12	Total/NA	Solid	5035	
880-61300-11	B-13	Total/NA	Solid	5035	
MB 880-116277/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116277/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116277/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61283-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-61283-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-1	S-1	Total/NA	Solid	8021B	116277
880-61300-2	S-2	Total/NA	Solid	8021B	116277
880-61300-3	S-6	Total/NA	Solid	8021B	116277
880-61300-4	S-10	Total/NA	Solid	8021B	116277
880-61300-5	S-11	Total/NA	Solid	8021B	116277
880-61300-6	S-12	Total/NA	Solid	8021B	116277
880-61300-7	B-3	Total/NA	Solid	8021B	116277
880-61300-8	B-4	Total/NA	Solid	8021B	116277
880-61300-9	B-5	Total/NA	Solid	8021B	116277
880-61300-10	B-12	Total/NA	Solid	8021B	116277
880-61300-11	B-13	Total/NA	Solid	8021B	116277
MB 880-116277/5-A	Method Blank	Total/NA	Solid	8021B	116277
LCS 880-116277/1-A	Lab Control Sample	Total/NA	Solid	8021B	116277
LCSD 880-116277/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116277
880-61283-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	116277
880-61283-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116277

Analysis Batch: 116620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-1	S-1	Total/NA	Solid	Total BTEX	
880-61300-2	S-2	Total/NA	Solid	Total BTEX	
880-61300-3	S-6	Total/NA	Solid	Total BTEX	
880-61300-4	S-10	Total/NA	Solid	Total BTEX	
880-61300-5	S-11	Total/NA	Solid	Total BTEX	
880-61300-6	S-12	Total/NA	Solid	Total BTEX	
880-61300-7	B-3	Total/NA	Solid	Total BTEX	
880-61300-8	B-4	Total/NA	Solid	Total BTEX	
880-61300-9	B-5	Total/NA	Solid	Total BTEX	
880-61300-10	B-12	Total/NA	Solid	Total BTEX	
880-61300-11	B-13	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 116251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-1	S-1	Total/NA	Solid	8015NM Prep	
880-61300-2	S-2	Total/NA	Solid	8015NM Prep	
880-61300-3	S-6	Total/NA	Solid	8015NM Prep	
880-61300-4	S-10	Total/NA	Solid	8015NM Prep	
880-61300-5	S-11	Total/NA	Solid	8015NM Prep	
880-61300-6	S-12	Total/NA	Solid	8015NM Prep	
880-61300-7	B-3	Total/NA	Solid	8015NM Prep	
880-61300-8	B-4	Total/NA	Solid	8015NM Prep	
880-61300-9	B-5	Total/NA	Solid	8015NM Prep	
MB 880-116251/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116251/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116251/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61288-A-5-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61288-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 116265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-10	B-12	Total/NA	Solid	8015NM Prep	
880-61300-11	B-13	Total/NA	Solid	8015NM Prep	
MB 880-116265/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116265/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116265/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61300-10 MS	B-12	Total/NA	Solid	8015NM Prep	
880-61300-10 MSD	B-12	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-1	S-1	Total/NA	Solid	8015B NM	116251
880-61300-2	S-2	Total/NA	Solid	8015B NM	116251
880-61300-3	S-6	Total/NA	Solid	8015B NM	116251
880-61300-4	S-10	Total/NA	Solid	8015B NM	116251
880-61300-5	S-11	Total/NA	Solid	8015B NM	116251
880-61300-6	S-12	Total/NA	Solid	8015B NM	116251
880-61300-7	B-3	Total/NA	Solid	8015B NM	116251
880-61300-8	B-4	Total/NA	Solid	8015B NM	116251
880-61300-9	B-5	Total/NA	Solid	8015B NM	116251
MB 880-116251/1-A	Method Blank	Total/NA	Solid	8015B NM	116251
LCS 880-116251/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116251
LCSD 880-116251/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116251
880-61288-A-5-B MS	Matrix Spike	Total/NA	Solid	8015B NM	116251
880-61288-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116251

Analysis Batch: 116855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-10	B-12	Total/NA	Solid	8015B NM	116265
880-61300-11	B-13	Total/NA	Solid	8015B NM	116265
MB 880-116265/1-A	Method Blank	Total/NA	Solid	8015B NM	116265
LCS 880-116265/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116265
LCSD 880-116265/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116265
880-61300-10 MS	B-12	Total/NA	Solid	8015B NM	116265
880-61300-10 MSD	B-12	Total/NA	Solid	8015B NM	116265

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 116901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-1	S-1	Total/NA	Solid	8015 NM	
880-61300-2	S-2	Total/NA	Solid	8015 NM	
880-61300-3	S-6	Total/NA	Solid	8015 NM	
880-61300-4	S-10	Total/NA	Solid	8015 NM	
880-61300-5	S-11	Total/NA	Solid	8015 NM	
880-61300-6	S-12	Total/NA	Solid	8015 NM	
880-61300-7	B-3	Total/NA	Solid	8015 NM	
880-61300-8	B-4	Total/NA	Solid	8015 NM	
880-61300-9	B-5	Total/NA	Solid	8015 NM	
880-61300-10	B-12	Total/NA	Solid	8015 NM	
880-61300-11	B-13	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-1	S-1	Soluble	Solid	DI Leach	
880-61300-2	S-2	Soluble	Solid	DI Leach	
880-61300-3	S-6	Soluble	Solid	DI Leach	
880-61300-4	S-10	Soluble	Solid	DI Leach	
880-61300-5	S-11	Soluble	Solid	DI Leach	
880-61300-6	S-12	Soluble	Solid	DI Leach	
880-61300-7	B-3	Soluble	Solid	DI Leach	
880-61300-8	B-4	Soluble	Solid	DI Leach	
880-61300-9	B-5	Soluble	Solid	DI Leach	
880-61300-10	B-12	Soluble	Solid	DI Leach	
880-61300-11	B-13	Soluble	Solid	DI Leach	
MB 880-116275/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116275/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116275/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61300-3 MS	S-6	Soluble	Solid	DI Leach	
880-61300-3 MSD	S-6	Soluble	Solid	DI Leach	

Analysis Batch: 116482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61300-1	S-1	Soluble	Solid	300.0	116275
880-61300-2	S-2	Soluble	Solid	300.0	116275
880-61300-3	S-6	Soluble	Solid	300.0	116275
880-61300-4	S-10	Soluble	Solid	300.0	116275
880-61300-5	S-11	Soluble	Solid	300.0	116275
880-61300-6	S-12	Soluble	Solid	300.0	116275
880-61300-7	B-3	Soluble	Solid	300.0	116275
880-61300-8	B-4	Soluble	Solid	300.0	116275
880-61300-9	B-5	Soluble	Solid	300.0	116275
880-61300-10	B-12	Soluble	Solid	300.0	116275
880-61300-11	B-13	Soluble	Solid	300.0	116275
MB 880-116275/1-A	Method Blank	Soluble	Solid	300.0	116275
LCS 880-116275/2-A	Lab Control Sample	Soluble	Solid	300.0	116275
LCSD 880-116275/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116275
880-61300-3 MS	S-6	Soluble	Solid	300.0	116275
880-61300-3 MSD	S-6	Soluble	Solid	300.0	116275

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: S-1

Lab Sample ID: 880-61300-1

Date Collected: 08/07/25 11:00

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/12/25 20:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/12/25 20:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/17/25 02:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 02:51	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 05:58	CS	EET MID

Client Sample ID: S-2

Lab Sample ID: 880-61300-2

Date Collected: 08/07/25 11:05

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/12/25 22:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/12/25 22:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/17/25 03:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 03:06	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 06:04	CS	EET MID

Client Sample ID: S-6

Lab Sample ID: 880-61300-3

Date Collected: 08/07/25 11:10

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/12/25 22:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/12/25 22:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/17/25 03:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 03:21	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 06:09	CS	EET MID

Client Sample ID: S-10

Lab Sample ID: 880-61300-4

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/12/25 23:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/12/25 23:00	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: S-10

Lab Sample ID: 880-61300-4

Date Collected: 08/07/25 11:15

Matrix: Solid

Date Received: 08/08/25 14:09

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			116901	08/17/25 03:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 03:38	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 06:26	CS	EET MID

Client Sample ID: S-11

Lab Sample ID: 880-61300-5

Date Collected: 08/07/25 11:18

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/12/25 23:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/12/25 23:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/17/25 03:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 03:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 06:32	CS	EET MID

Client Sample ID: S-12

Lab Sample ID: 880-61300-6

Date Collected: 08/07/25 11:21

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/12/25 23:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/12/25 23:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/17/25 04:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 04:07	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 06:49	CS	EET MID

Client Sample ID: B-3

Lab Sample ID: 880-61300-7

Date Collected: 08/07/25 11:25

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 00:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/13/25 00:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/17/25 04:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 04:22	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: B-3

Lab Sample ID: 880-61300-7

Date Collected: 08/07/25 11:25

Matrix: Solid

Date Received: 08/08/25 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 06:55	CS	EET MID

Client Sample ID: B-4

Lab Sample ID: 880-61300-8

Date Collected: 08/07/25 11:28

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 00:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/13/25 00:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/17/25 04:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 04:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 07:00	CS	EET MID

Client Sample ID: B-5

Lab Sample ID: 880-61300-9

Date Collected: 08/07/25 11:33

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 00:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/13/25 00:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/17/25 04:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 04:52	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 07:06	CS	EET MID

Client Sample ID: B-12

Lab Sample ID: 880-61300-10

Date Collected: 08/07/25 11:37

Matrix: Solid

Date Received: 08/08/25 14:09

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	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 01:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/13/25 01:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/16/25 22:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116265	08/08/25 14:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116855	08/16/25 22:37	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 07:12	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Client Sample ID: B-13
Date Collected: 08/07/25 11:41
Date Received: 08/08/25 14:09

Lab Sample ID: 880-61300-11
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			5.00 g	5 mL	116277	08/08/25 15:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116443	08/13/25 01:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116620	08/13/25 01:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			116901	08/16/25 23:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116265	08/08/25 14:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116855	08/16/25 23:25	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116275	08/08/25 15:17	SMC	EET MID
Soluble	Analysis	300.0		1			116482	08/13/25 07:17	CS	EET MID

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, 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: State J 2 #17

Job ID: 880-61300-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-61300-1	S-1	Solid	08/07/25 11:00	08/08/25 14:09	0-1.5'
880-61300-2	S-2	Solid	08/07/25 11:05	08/08/25 14:09	0-1.5'
880-61300-3	S-6	Solid	08/07/25 11:10	08/08/25 14:09	0-2"
880-61300-4	S-10	Solid	08/07/25 11:15	08/08/25 14:09	0-4.5'
880-61300-5	S-11	Solid	08/07/25 11:18	08/08/25 14:09	0-4.5'
880-61300-6	S-12	Solid	08/07/25 11:21	08/08/25 14:09	0-4.5'
880-61300-7	B-3	Solid	08/07/25 11:25	08/08/25 14:09	2'
880-61300-8	B-4	Solid	08/07/25 11:28	08/08/25 14:09	2'
880-61300-9	B-5	Solid	08/07/25 11:33	08/08/25 14:09	2'
880-61300-10	B-12	Solid	08/07/25 11:37	08/08/25 14:09	4.5'
880-61300-11	B-13	Solid	08/07/25 11:41	08/08/25 14:09	4.5'



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



880-61300 Chain of Custody

www.xenco.com Page 1 of 2

Project Manager:	Cindy Crain	Bill to: (if different)	Leasa Hale
Company Name:	Crain Environmental	Company Name:	SWR
Address:	2926 E. 17th St.	Address:	P.O. Box 53570
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Midland, TX 79710
Phone:	(575) 441-7244	Email:	Cindy.Crain@gmail.com

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 Name:	State J 2 #17		Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number:	NAPP2511834534		☒ Routine ☐ Rush														None: NO DI Water: H ₂ O			
Project Location:	Lea Co., NM		Due Date:														Cool: Cool MeOH: Me			
Sampler's Name:	Cindy Crain		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT			Temp Blank: Yes ☒ No ☐		Yes ☒ No ☐ Wet Ice: Yes ☒ No ☐		Parameters TPH 8015M BTEX Chlorides												H ₃ PO ₄ : HP	
Samples Received Intact:			Yes ☒ No ☐		Thermometer ID: TRG														NaHSO ₄ : NABIS	
Cooler Custody Seals:			Yes ☐ No ☒ N/A		Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:			Yes ☐ No ☒ N/A		Temperature Reading: -1.0														Zn Acetate+NaOH: Zn	
Total Containers:					Corrected Temperature: -1.1														NaOH+Ascorbic Acid: SAPC	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont													Sample Comments	
S-1	S	8/7/25	1100	0-1.5'	C	1														
S-2			1105	0-1.5'																
S-6			1110	0-2'																
S-10			1115	0-4.5'																
S-11			1118	0-4.5'																
S-12			1121	0-4.5'																
B-3			1125	2'																
B-4			1128	2'																
B-5			1133	2'																
B-12			1137	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
1 Cindy Crain		8/8/25 1409	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-61300-1
SDG Number: Lea County, NM

Login Number: 61300

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 7/30/2025 10:04:07 AM

JOB DESCRIPTION

State J 2 #17
Lea Co. NM

JOB NUMBER

880-60809-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



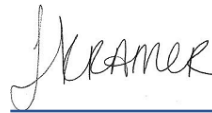
Eurofins Midland

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
7/30/2025 10:04:07 AM

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

Client: Crain Environmental
Project/Site: State J 2 #17

Laboratory Job ID: 880-60809-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: State J 2 #17

Job ID: 880-60809-1

Job ID: 880-60809-1

Eurofins Midland

Job Narrative 880-60809-1

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 7/25/2025 1:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-1 (880-60809-1), B-2 (880-60809-2), S-1 (880-60809-3), S-2 (880-60809-4), S-3 (880-60809-5), S-4 (880-60809-6), S-5 (880-60809-7), S-6 (880-60809-8), S-7 (880-60809-9), S-8 (880-60809-10) and S-9 (880-60809-11).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-9 (880-60809-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-115092 and 880-115105 and analytical batch 880-115272 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

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-115124 and analytical batch 880-115189 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: B-1

Lab Sample ID: 880-60809-1

Date Collected: 07/24/25 11:00

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:44	07/28/25 23:00	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:44	07/28/25 23:00	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:44	07/28/25 23:00	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:44	07/28/25 23:00	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:44	07/28/25 23:00	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:44	07/28/25 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	07/28/25 09:44	07/28/25 23:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/28/25 09:44	07/28/25 23:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/28/25 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	121		49.8	15.1	mg/Kg			07/30/25 05:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		07/28/25 08:41	07/30/25 05:57	1
Diesel Range Organics (Over C10-C28)	121		49.8	15.1	mg/Kg		07/28/25 08:41	07/30/25 05:57	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		07/28/25 08:41	07/30/25 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/28/25 08:41	07/30/25 05:57	1
o-Terphenyl	104		70 - 130	07/28/25 08:41	07/30/25 05:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		9.94	0.393	mg/Kg			07/28/25 18:01	1

Client Sample ID: B-2

Lab Sample ID: 880-60809-2

Date Collected: 07/24/25 11:04

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 9'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:44	07/28/25 23:20	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:44	07/28/25 23:20	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/28/25 09:44	07/28/25 23:20	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:44	07/28/25 23:20	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:44	07/28/25 23:20	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		07/28/25 09:44	07/28/25 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	07/28/25 09:44	07/28/25 23:20	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: B-2

Lab Sample ID: 880-60809-2

Date Collected: 07/24/25 11:04

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 9'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	07/28/25 09:44	07/28/25 23:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			07/28/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	34.4	J	49.9	15.1	mg/Kg			07/30/25 06:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		07/28/25 08:41	07/30/25 06:13	1
Diesel Range Organics (Over C10-C28)	34.4	J	49.9	15.1	mg/Kg		07/28/25 08:41	07/30/25 06:13	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 08:41	07/30/25 06:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/28/25 08:41	07/30/25 06:13	1
o-Terphenyl	97		70 - 130				07/28/25 08:41	07/30/25 06:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.69	J	10.1	0.398	mg/Kg			07/28/25 18:09	1

Client Sample ID: S-1

Lab Sample ID: 880-60809-3

Date Collected: 07/24/25 11:08

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		07/28/25 09:44	07/28/25 23:41	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		07/28/25 09:44	07/28/25 23:41	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		07/28/25 09:44	07/28/25 23:41	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		07/28/25 09:44	07/28/25 23:41	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		07/28/25 09:44	07/28/25 23:41	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		07/28/25 09:44	07/28/25 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	07/28/25 09:44	07/28/25 23:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/28/25 09:44	07/28/25 23:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			07/28/25 23:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/30/25 06:30	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-1

Lab Sample ID: 880-60809-3

Date Collected: 07/24/25 11:08

Matrix: Solid

Date Received: 07/25/25 13:05

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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 08:41	07/30/25 06:30	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 08:41	07/30/25 06:30	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 08:41	07/30/25 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/28/25 08:41	07/30/25 06:30	1
o-Terphenyl	100		70 - 130				07/28/25 08:41	07/30/25 06:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600	F1	50.3	1.99	mg/Kg			07/28/25 18:02	5

Client Sample ID: S-2

Lab Sample ID: 880-60809-4

Date Collected: 07/24/25 11:10

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		07/28/25 09:44	07/29/25 00:01	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/28/25 09:44	07/29/25 00:01	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/28/25 09:44	07/29/25 00:01	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:44	07/29/25 00:01	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/28/25 09:44	07/29/25 00:01	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:44	07/29/25 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				07/28/25 09:44	07/29/25 00:01	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/28/25 09:44	07/29/25 00:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/29/25 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.2	U	50.2	15.2	mg/Kg			07/30/25 06:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.6	U	50.2	14.6	mg/Kg		07/28/25 08:41	07/30/25 06:45	1
Diesel Range Organics (Over C10-C28)	<15.2	U	50.2	15.2	mg/Kg		07/28/25 08:41	07/30/25 06:45	1
Oil Range Organics (Over C28-C36)	<15.2	U	50.2	15.2	mg/Kg		07/28/25 08:41	07/30/25 06:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/28/25 08:41	07/30/25 06:45	1
o-Terphenyl	100		70 - 130				07/28/25 08:41	07/30/25 06:45	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-2

Lab Sample ID: 880-60809-4

Date Collected: 07/24/25 11:10

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		9.98	0.394	mg/Kg			07/28/25 18:19	1

Client Sample ID: S-3

Lab Sample ID: 880-60809-5

Date Collected: 07/24/25 11:14

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:44	07/29/25 00:22	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:44	07/29/25 00:22	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:44	07/29/25 00:22	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:44	07/29/25 00:22	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:44	07/29/25 00:22	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:44	07/29/25 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				07/28/25 09:44	07/29/25 00:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/28/25 09:44	07/29/25 00:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/29/25 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.0	J	50.1	15.1	mg/Kg			07/30/25 07:02	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	<14.5	U	50.1	14.5	mg/Kg		07/28/25 08:41	07/30/25 07:02	1
Diesel Range Organics (Over C10-C28)	50.0	J	50.1	15.1	mg/Kg		07/28/25 08:41	07/30/25 07:02	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.1	15.1	mg/Kg		07/28/25 08:41	07/30/25 07:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/28/25 08:41	07/30/25 07:02	1
o-Terphenyl	92		70 - 130				07/28/25 08:41	07/30/25 07:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	538		50.5	1.99	mg/Kg			07/28/25 18:25	5

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Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-4

Lab Sample ID: 880-60809-6

Date Collected: 07/24/25 11:18

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		07/28/25 09:44	07/29/25 00:42	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/28/25 09:44	07/29/25 00:42	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		07/28/25 09:44	07/29/25 00:42	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		07/28/25 09:44	07/29/25 00:42	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		07/28/25 09:44	07/29/25 00:42	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		07/28/25 09:44	07/29/25 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	07/28/25 09:44	07/29/25 00:42	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/28/25 09:44	07/29/25 00:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			07/29/25 00:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.5	J	49.9	15.1	mg/Kg			07/29/25 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:50	07/29/25 17:12	1
Diesel Range Organics (Over C10-C28)	49.5	J	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 17:12	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/28/25 09:50	07/29/25 17:12	1
o-Terphenyl	102		70 - 130	07/28/25 09:50	07/29/25 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1350		10.0	0.396	mg/Kg			07/28/25 18:30	1

Client Sample ID: S-5

Lab Sample ID: 880-60809-7

Date Collected: 07/24/25 11:21

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:44	07/29/25 01:03	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:44	07/29/25 01:03	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		07/28/25 09:44	07/29/25 01:03	1
m-Xylene & p-Xylene	0.00558		0.00402	0.00229	mg/Kg		07/28/25 09:44	07/29/25 01:03	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:44	07/29/25 01:03	1
Xylenes, Total	0.00558		0.00402	0.00229	mg/Kg		07/28/25 09:44	07/29/25 01:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	07/28/25 09:44	07/29/25 01:03	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-5

Lab Sample ID: 880-60809-7

Date Collected: 07/24/25 11:21

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	07/28/25 09:44	07/29/25 01:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00558		0.00402	0.00229	mg/Kg			07/29/25 01:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2870		250	75.6	mg/Kg			07/29/25 18:00	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	<72.6	U	250	72.6	mg/Kg		07/28/25 09:50	07/29/25 18:00	5
Diesel Range Organics (Over C10-C28)	2870		250	75.6	mg/Kg		07/28/25 09:50	07/29/25 18:00	5
Oil Range Organics (Over C28-C36)	<75.6	U	250	75.6	mg/Kg		07/28/25 09:50	07/29/25 18:00	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/28/25 09:50	07/29/25 18:00	5
o-Terphenyl	128		70 - 130				07/28/25 09:50	07/29/25 18:00	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	551		9.96	0.393	mg/Kg			07/28/25 18:36	1

Client Sample ID: S-6

Lab Sample ID: 880-60809-8

Date Collected: 07/24/25 11:25

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		07/28/25 09:44	07/29/25 01:23	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/28/25 09:44	07/29/25 01:23	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		07/28/25 09:44	07/29/25 01:23	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		07/28/25 09:44	07/29/25 01:23	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		07/28/25 09:44	07/29/25 01:23	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		07/28/25 09:44	07/29/25 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				07/28/25 09:44	07/29/25 01:23	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/28/25 09:44	07/29/25 01:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			07/29/25 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	47.3	J	49.9	15.1	mg/Kg			07/29/25 18:15	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-6

Lab Sample ID: 880-60809-8

Date Collected: 07/24/25 11:25

Matrix: Solid

Date Received: 07/25/25 13:05

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	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:50	07/29/25 18:15	1
Diesel Range Organics (Over C10-C28)	47.3	J	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 18:15	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/28/25 09:50	07/29/25 18:15	1
o-Terphenyl	105		70 - 130				07/28/25 09:50	07/29/25 18:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		10.1	0.399	mg/Kg			07/28/25 18:53	1

Client Sample ID: S-7

Lab Sample ID: 880-60809-9

Date Collected: 07/24/25 11:29

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		07/28/25 09:44	07/29/25 01:44	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/28/25 09:44	07/29/25 01:44	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		07/28/25 09:44	07/29/25 01:44	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:44	07/29/25 01:44	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		07/28/25 09:44	07/29/25 01:44	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		07/28/25 09:44	07/29/25 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				07/28/25 09:44	07/29/25 01:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/28/25 09:44	07/29/25 01:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			07/29/25 01:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	164		50.0	15.1	mg/Kg			07/29/25 18:31	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	<14.5	U	50.0	14.5	mg/Kg		07/28/25 09:50	07/29/25 18:31	1
Diesel Range Organics (Over C10-C28)	164		50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 18:31	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/28/25 09:50	07/29/25 18:31	1
o-Terphenyl	99		70 - 130				07/28/25 09:50	07/29/25 18:31	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-7

Lab Sample ID: 880-60809-9

Date Collected: 07/24/25 11:29

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		10.1	0.397	mg/Kg			07/28/25 18:58	1

Client Sample ID: S-8

Lab Sample ID: 880-60809-10

Date Collected: 07/24/25 11:34

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:44	07/29/25 02:04	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:44	07/29/25 02:04	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:44	07/29/25 02:04	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:44	07/29/25 02:04	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:44	07/29/25 02:04	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		07/28/25 09:44	07/29/25 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/28/25 09:44	07/29/25 02:04	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/28/25 09:44	07/29/25 02:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			07/29/25 02:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	121		49.9	15.1	mg/Kg			07/29/25 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		07/28/25 09:50	07/29/25 18:47	1
Diesel Range Organics (Over C10-C28)	121		49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 18:47	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		07/28/25 09:50	07/29/25 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/28/25 09:50	07/29/25 18:47	1
o-Terphenyl	96		70 - 130				07/28/25 09:50	07/29/25 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.87	J	9.98	0.394	mg/Kg			07/28/25 19:04	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-9

Lab Sample ID: 880-60809-11

Date Collected: 07/24/25 11:39

Matrix: Solid

Date Received: 07/25/25 13:05

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg	-	07/28/25 09:44	07/29/25 03:38	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	07/28/25 09:44	07/29/25 03:38	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	07/28/25 09:44	07/29/25 03:38	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg	-	07/28/25 09:44	07/29/25 03:38	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	07/28/25 09:44	07/29/25 03:38	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg	-	07/28/25 09:44	07/29/25 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	07/28/25 09:44	07/29/25 03:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/28/25 09:44	07/29/25 03:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg	-		07/29/25 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg	-		07/29/25 19:03	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	<14.5	U	50.0	14.5	mg/Kg	-	07/28/25 09:50	07/29/25 19:03	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	07/28/25 09:50	07/29/25 19:03	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	07/28/25 09:50	07/29/25 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	07/28/25 09:50	07/29/25 19:03	1
o-Terphenyl	103		70 - 130	07/28/25 09:50	07/29/25 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.7		10.1	0.398	mg/Kg	-		07/28/25 19:10	1

Eurofins Midland

Surrogate Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
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)
880-60809-1	B-1	126	92
880-60809-1 MS	B-1	124	98
880-60809-1 MSD	B-1	124	97
880-60809-2	B-2	126	92
880-60809-3	S-1	127	91
880-60809-4	S-2	126	91
880-60809-5	S-3	125	93
880-60809-6	S-4	129	92
880-60809-7	S-5	126	93
880-60809-8	S-6	127	92
880-60809-9	S-7	125	92
880-60809-10	S-8	124	90
880-60809-11	S-9	137 S1+	92
LCS 880-115100/1-A	Lab Control Sample	120	99
LCSD 880-115100/2-A	Lab Control Sample Dup	121	99
MB 880-114949/5-A	Method Blank	116	88
MB 880-115100/5-A	Method Blank	122	90
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)
880-60775-A-1-F MS	Matrix Spike	98	90
880-60775-A-1-G MSD	Matrix Spike Duplicate	96	88
880-60809-1	B-1	102	104
880-60809-2	B-2	100	97
880-60809-3	S-1	102	100
880-60809-4	S-2	104	100
880-60809-5	S-3	95	92
880-60809-6	S-4	103	102
880-60809-6 MS	S-4	95	100
880-60809-6 MSD	S-4	95	101
880-60809-7	S-5	103	128
880-60809-8	S-6	104	105
880-60809-9	S-7	102	99
880-60809-10	S-8	98	96
880-60809-11	S-9	104	103
LCS 880-115092/2-A	Lab Control Sample	118	110
LCS 880-115105/2-A	Lab Control Sample	111	104
LCSD 880-115092/3-A	Lab Control Sample Dup	99	110
LCSD 880-115105/3-A	Lab Control Sample Dup	93	103
MB 880-115092/1-A	Method Blank	98	104
MB 880-115105/1-A	Method Blank	120	118
Surrogate Legend			

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Surrogate Summary

Client: Crain Environmental
Project/Site: State J 2 #17
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Job ID: 880-60809-1
SDG: Lea Co. NM

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

QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114949/5-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/24/25 14:24	07/28/25 11:42	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/24/25 14:24	07/28/25 11:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/24/25 14:24	07/28/25 11:42	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/24/25 14:24	07/28/25 11:42	1

Lab Sample ID: MB 880-115100/5-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		07/28/25 09:44	07/28/25 22:38	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		07/28/25 09:44	07/28/25 22:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/28/25 09:44	07/28/25 22:38	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/28/25 09:44	07/28/25 22:38	1

Lab Sample ID: LCS 880-115100/1-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09963		mg/Kg		100	70 - 130
Toluene	0.100	0.08698		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09127		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1763		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09100		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-115100/2-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1140		mg/Kg		114	70 - 130	13	35

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-115100/2-A

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09992		mg/Kg		100	70 - 130	14	35
Ethylbenzene	0.100	0.1055		mg/Kg		106	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		102	70 - 130	15	35
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-60809-1 MS

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: B-1

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.09434		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.08135		mg/Kg		81	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.07874		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1514		mg/Kg		76	70 - 130
o-Xylene	<0.00158	U	0.100	0.07860		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-60809-1 MSD

Matrix: Solid

Analysis Batch: 115087

Client Sample ID: B-1

Prep Type: Total/NA

Prep Batch: 115100

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.09942		mg/Kg		99	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08399		mg/Kg		84	70 - 130	3	35
Ethylbenzene	<0.00109	U	0.100	0.08188		mg/Kg		82	70 - 130	4	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1567		mg/Kg		78	70 - 130	3	35
o-Xylene	<0.00158	U	0.100	0.08088		mg/Kg		81	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-115092/1-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.02	J	50.0	14.5	mg/Kg		07/28/25 08:37	07/30/25 00:20	1

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-115092/1-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 08:37	07/30/25 00:20	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 08:37	07/30/25 00:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/28/25 08:37	07/30/25 00:20	1
o-Terphenyl	104		70 - 130				07/28/25 08:37	07/30/25 00:20	1

Lab Sample ID: LCS 880-115092/2-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115092

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	969.9		mg/Kg		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	118		70 - 130				
o-Terphenyl	110		70 - 130				

Lab Sample ID: LCSD 880-115092/3-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115092

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1029		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	110		70 - 130						

Lab Sample ID: 880-60775-A-1-F MS

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115092

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	22.3	J B	999	784.1		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	999	815.3		mg/Kg		82	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	90		70 - 130						

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-60775-A-1-G MSD

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115092

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	22.3	J B	999	774.2		mg/Kg		75	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<15.1	U	999	789.2		mg/Kg		79	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: MB 880-115105/1-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.69	J	50.0	14.5	mg/Kg		07/28/25 09:50	07/29/25 16:14	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 16:14	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		07/28/25 09:50	07/29/25 16:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				07/28/25 09:50	07/29/25 16:14	1
o-Terphenyl	118		70 - 130				07/28/25 09:50	07/29/25 16:14	1

Lab Sample ID: LCS 880-115105/2-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	966.8		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	917.1		mg/Kg		92	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	111		70 - 130						
o-Terphenyl	104		70 - 130						

Lab Sample ID: LCSD 880-115105/3-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115105

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	963.3		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	975.5		mg/Kg		98	70 - 130	6	20

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-115105/3-A

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115105

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-60809-6 MS

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: S-4

Prep Type: Total/NA

Prep Batch: 115105

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	829.5		mg/Kg		83	70 - 130	
Diesel Range Organics (Over C10-C28)	49.5	J	999	922.0		mg/Kg		87	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	95		70 - 130							
o-Terphenyl	100		70 - 130							

Lab Sample ID: 880-60809-6 MSD

Matrix: Solid

Analysis Batch: 115272

Client Sample ID: S-4

Prep Type: Total/NA

Prep Batch: 115105

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	846.6		mg/Kg		85	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	49.5	J	999	938.0		mg/Kg		89	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	95		70 - 130									
o-Terphenyl	101		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115119/1-A

Matrix: Solid

Analysis Batch: 115158

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<0.395	U	10.0	0.395	mg/Kg			07/28/25 14:20	1	

Lab Sample ID: LCS 880-115119/2-A

Matrix: Solid

Analysis Batch: 115158

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	246.9		mg/Kg		99	90 - 110			

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-115119/3-A

Matrix: Solid

Analysis Batch: 115158

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	250.6		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-60775-A-1-I MS

Matrix: Solid

Analysis Batch: 115158

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.47	J	252	261.5		mg/Kg		102	90 - 110		

Lab Sample ID: 880-60775-A-1-J MSD

Matrix: Solid

Analysis Batch: 115158

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.47	J	252	263.8		mg/Kg		103	90 - 110	1	20

Lab Sample ID: MB 880-115124/1-A

Matrix: Solid

Analysis Batch: 115189

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			07/28/25 17:45	1

Lab Sample ID: LCS 880-115124/2-A

Matrix: Solid

Analysis Batch: 115189

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.1		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-115124/3-A

Matrix: Solid

Analysis Batch: 115189

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	238.4		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-60809-3 MS

Matrix: Solid

Analysis Batch: 115189

Client Sample ID: S-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1600	F1	1260	3282	F1	mg/Kg		134	90 - 110		

Lab Sample ID: 880-60809-3 MSD

Matrix: Solid

Analysis Batch: 115189

Client Sample ID: S-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1600	F1	1260	3292	F1	mg/Kg		135	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 114949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-114949/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-1	B-1	Total/NA	Solid	8021B	115100
880-60809-2	B-2	Total/NA	Solid	8021B	115100
880-60809-3	S-1	Total/NA	Solid	8021B	115100
880-60809-4	S-2	Total/NA	Solid	8021B	115100
880-60809-5	S-3	Total/NA	Solid	8021B	115100
880-60809-6	S-4	Total/NA	Solid	8021B	115100
880-60809-7	S-5	Total/NA	Solid	8021B	115100
880-60809-8	S-6	Total/NA	Solid	8021B	115100
880-60809-9	S-7	Total/NA	Solid	8021B	115100
880-60809-10	S-8	Total/NA	Solid	8021B	115100
880-60809-11	S-9	Total/NA	Solid	8021B	115100
MB 880-114949/5-A	Method Blank	Total/NA	Solid	8021B	114949
MB 880-115100/5-A	Method Blank	Total/NA	Solid	8021B	115100
LCS 880-115100/1-A	Lab Control Sample	Total/NA	Solid	8021B	115100
LCSD 880-115100/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115100
880-60809-1 MS	B-1	Total/NA	Solid	8021B	115100
880-60809-1 MSD	B-1	Total/NA	Solid	8021B	115100

Prep Batch: 115100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-1	B-1	Total/NA	Solid	5035	
880-60809-2	B-2	Total/NA	Solid	5035	
880-60809-3	S-1	Total/NA	Solid	5035	
880-60809-4	S-2	Total/NA	Solid	5035	
880-60809-5	S-3	Total/NA	Solid	5035	
880-60809-6	S-4	Total/NA	Solid	5035	
880-60809-7	S-5	Total/NA	Solid	5035	
880-60809-8	S-6	Total/NA	Solid	5035	
880-60809-9	S-7	Total/NA	Solid	5035	
880-60809-10	S-8	Total/NA	Solid	5035	
880-60809-11	S-9	Total/NA	Solid	5035	
MB 880-115100/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115100/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115100/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-60809-1 MS	B-1	Total/NA	Solid	5035	
880-60809-1 MSD	B-1	Total/NA	Solid	5035	

Analysis Batch: 115306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-1	B-1	Total/NA	Solid	Total BTEX	
880-60809-2	B-2	Total/NA	Solid	Total BTEX	
880-60809-3	S-1	Total/NA	Solid	Total BTEX	
880-60809-4	S-2	Total/NA	Solid	Total BTEX	
880-60809-5	S-3	Total/NA	Solid	Total BTEX	
880-60809-6	S-4	Total/NA	Solid	Total BTEX	
880-60809-7	S-5	Total/NA	Solid	Total BTEX	
880-60809-8	S-6	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 115306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-9	S-7	Total/NA	Solid	Total BTEX	
880-60809-10	S-8	Total/NA	Solid	Total BTEX	
880-60809-11	S-9	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-1	B-1	Total/NA	Solid	8015NM Prep	
880-60809-2	B-2	Total/NA	Solid	8015NM Prep	
880-60809-3	S-1	Total/NA	Solid	8015NM Prep	
880-60809-4	S-2	Total/NA	Solid	8015NM Prep	
880-60809-5	S-3	Total/NA	Solid	8015NM Prep	
MB 880-115092/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115092/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115092/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60775-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-60775-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 115105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-6	S-4	Total/NA	Solid	8015NM Prep	
880-60809-7	S-5	Total/NA	Solid	8015NM Prep	
880-60809-8	S-6	Total/NA	Solid	8015NM Prep	
880-60809-9	S-7	Total/NA	Solid	8015NM Prep	
880-60809-10	S-8	Total/NA	Solid	8015NM Prep	
880-60809-11	S-9	Total/NA	Solid	8015NM Prep	
MB 880-115105/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115105/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-60809-6 MS	S-4	Total/NA	Solid	8015NM Prep	
880-60809-6 MSD	S-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-1	B-1	Total/NA	Solid	8015B NM	115092
880-60809-2	B-2	Total/NA	Solid	8015B NM	115092
880-60809-3	S-1	Total/NA	Solid	8015B NM	115092
880-60809-4	S-2	Total/NA	Solid	8015B NM	115092
880-60809-5	S-3	Total/NA	Solid	8015B NM	115092
880-60809-6	S-4	Total/NA	Solid	8015B NM	115105
880-60809-7	S-5	Total/NA	Solid	8015B NM	115105
880-60809-8	S-6	Total/NA	Solid	8015B NM	115105
880-60809-9	S-7	Total/NA	Solid	8015B NM	115105
880-60809-10	S-8	Total/NA	Solid	8015B NM	115105
880-60809-11	S-9	Total/NA	Solid	8015B NM	115105
MB 880-115092/1-A	Method Blank	Total/NA	Solid	8015B NM	115092
MB 880-115105/1-A	Method Blank	Total/NA	Solid	8015B NM	115105
LCS 880-115092/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115092
LCS 880-115105/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115105
LCSD 880-115092/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115092

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QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 115272 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-115105/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115105
880-60775-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	115092
880-60775-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	115092
880-60809-6 MS	S-4	Total/NA	Solid	8015B NM	115105
880-60809-6 MSD	S-4	Total/NA	Solid	8015B NM	115105

Analysis Batch: 115383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-1	B-1	Total/NA	Solid	8015 NM	
880-60809-2	B-2	Total/NA	Solid	8015 NM	
880-60809-3	S-1	Total/NA	Solid	8015 NM	
880-60809-4	S-2	Total/NA	Solid	8015 NM	
880-60809-5	S-3	Total/NA	Solid	8015 NM	
880-60809-6	S-4	Total/NA	Solid	8015 NM	
880-60809-7	S-5	Total/NA	Solid	8015 NM	
880-60809-8	S-6	Total/NA	Solid	8015 NM	
880-60809-9	S-7	Total/NA	Solid	8015 NM	
880-60809-10	S-8	Total/NA	Solid	8015 NM	
880-60809-11	S-9	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-1	B-1	Soluble	Solid	DI Leach	
880-60809-2	B-2	Soluble	Solid	DI Leach	
MB 880-115119/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115119/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115119/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60775-A-1-I MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60775-A-1-J MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 115124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-3	S-1	Soluble	Solid	DI Leach	
880-60809-4	S-2	Soluble	Solid	DI Leach	
880-60809-5	S-3	Soluble	Solid	DI Leach	
880-60809-6	S-4	Soluble	Solid	DI Leach	
880-60809-7	S-5	Soluble	Solid	DI Leach	
880-60809-8	S-6	Soluble	Solid	DI Leach	
880-60809-9	S-7	Soluble	Solid	DI Leach	
880-60809-10	S-8	Soluble	Solid	DI Leach	
880-60809-11	S-9	Soluble	Solid	DI Leach	
MB 880-115124/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115124/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115124/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60809-3 MS	S-1	Soluble	Solid	DI Leach	
880-60809-3 MSD	S-1	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

HPLC/IC

Analysis Batch: 115158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-1	B-1	Soluble	Solid	300.0	115119
880-60809-2	B-2	Soluble	Solid	300.0	115119
MB 880-115119/1-A	Method Blank	Soluble	Solid	300.0	115119
LCS 880-115119/2-A	Lab Control Sample	Soluble	Solid	300.0	115119
LCSD 880-115119/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115119
880-60775-A-1-I MS	Matrix Spike	Soluble	Solid	300.0	115119
880-60775-A-1-J MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	115119

Analysis Batch: 115189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-60809-3	S-1	Soluble	Solid	300.0	115124
880-60809-4	S-2	Soluble	Solid	300.0	115124
880-60809-5	S-3	Soluble	Solid	300.0	115124
880-60809-6	S-4	Soluble	Solid	300.0	115124
880-60809-7	S-5	Soluble	Solid	300.0	115124
880-60809-8	S-6	Soluble	Solid	300.0	115124
880-60809-9	S-7	Soluble	Solid	300.0	115124
880-60809-10	S-8	Soluble	Solid	300.0	115124
880-60809-11	S-9	Soluble	Solid	300.0	115124
MB 880-115124/1-A	Method Blank	Soluble	Solid	300.0	115124
LCS 880-115124/2-A	Lab Control Sample	Soluble	Solid	300.0	115124
LCSD 880-115124/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115124
880-60809-3 MS	S-1	Soluble	Solid	300.0	115124
880-60809-3 MSD	S-1	Soluble	Solid	300.0	115124

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: B-1

Lab Sample ID: 880-60809-1

Date Collected: 07/24/25 11:00

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/28/25 23:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/28/25 23:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/30/25 05:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115092	07/28/25 08:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/30/25 05:57	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	115119	07/28/25 10:29	SI	EET MID
Soluble	Analysis	300.0		1			115158	07/28/25 18:01	CS	EET MID

Client Sample ID: B-2

Lab Sample ID: 880-60809-2

Date Collected: 07/24/25 11:04

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/28/25 23:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/28/25 23:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/30/25 06:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115092	07/28/25 08:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/30/25 06:13	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115119	07/28/25 10:29	SI	EET MID
Soluble	Analysis	300.0		1			115158	07/28/25 18:09	CS	EET MID

Client Sample ID: S-1

Lab Sample ID: 880-60809-3

Date Collected: 07/24/25 11:08

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/28/25 23:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/28/25 23:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/30/25 06:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115092	07/28/25 08:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/30/25 06:30	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		5			115189	07/28/25 18:02	CS	EET MID

Client Sample ID: S-2

Lab Sample ID: 880-60809-4

Date Collected: 07/24/25 11:10

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 00:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/29/25 00:01	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-2

Lab Sample ID: 880-60809-4

Date Collected: 07/24/25 11:10

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			115383	07/30/25 06:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	115092	07/28/25 08:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/30/25 06:45	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 18:19	CS	EET MID

Client Sample ID: S-3

Lab Sample ID: 880-60809-5

Date Collected: 07/24/25 11:14

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 00:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/29/25 00:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/30/25 07:02	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	115092	07/28/25 08:41	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/30/25 07:02	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		5			115189	07/28/25 18:25	CS	EET MID

Client Sample ID: S-4

Lab Sample ID: 880-60809-6

Date Collected: 07/24/25 11:18

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 00:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/29/25 00:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/29/25 17:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 17:12	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 18:30	CS	EET MID

Client Sample ID: S-5

Lab Sample ID: 880-60809-7

Date Collected: 07/24/25 11:21

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 01:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/29/25 01:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/29/25 18:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	115272	07/29/25 18:00	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-5

Lab Sample ID: 880-60809-7

Date Collected: 07/24/25 11:21

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 18:36	CS	EET MID

Client Sample ID: S-6

Lab Sample ID: 880-60809-8

Date Collected: 07/24/25 11:25

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 01:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/29/25 01:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/29/25 18:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 18:15	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 18:53	CS	EET MID

Client Sample ID: S-7

Lab Sample ID: 880-60809-9

Date Collected: 07/24/25 11:29

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 01:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/29/25 01:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/29/25 18:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 18:31	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 18:58	CS	EET MID

Client Sample ID: S-8

Lab Sample ID: 880-60809-10

Date Collected: 07/24/25 11:34

Matrix: Solid

Date Received: 07/25/25 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 02:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/29/25 02:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/29/25 18:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 18:47	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 19:04	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Client Sample ID: S-9
Date Collected: 07/24/25 11:39
Date Received: 07/25/25 13:05

Lab Sample ID: 880-60809-11
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			5.00 g	5 mL	115100	07/28/25 09:44	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115087	07/29/25 03:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115306	07/29/25 03:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			115383	07/29/25 19:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115105	07/28/25 09:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115272	07/29/25 19:03	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115124	07/28/25 10:33	SI	EET MID
Soluble	Analysis	300.0		1			115189	07/28/25 19:10	CS	EET MID

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-60809-1
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: State J 2 #17

Job ID: 880-60809-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-60809-1	B-1	Solid	07/24/25 11:00	07/25/25 13:05	6'
880-60809-2	B-2	Solid	07/24/25 11:04	07/25/25 13:05	9'
880-60809-3	S-1	Solid	07/24/25 11:08	07/25/25 13:05	0-4'
880-60809-4	S-2	Solid	07/24/25 11:10	07/25/25 13:05	0-4'
880-60809-5	S-3	Solid	07/24/25 11:14	07/25/25 13:05	0-4'
880-60809-6	S-4	Solid	07/24/25 11:18	07/25/25 13:05	0-4'
880-60809-7	S-5	Solid	07/24/25 11:21	07/25/25 13:05	0-4'
880-60809-8	S-6	Solid	07/24/25 11:25	07/25/25 13:05	0-4'
880-60809-9	S-7	Solid	07/24/25 11:29	07/25/25 13:05	0-4'
880-60809-10	S-8	Solid	07/24/25 11:34	07/25/25 13:05	0-4'
880-60809-11	S-9	Solid	07/24/25 11:39	07/25/25 13:05	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) 392-7550, Carlsbad, NM (575) 988-3199



880-60809 Chain of Custody

www.xenco.com Page 1 of 2

Project Manager:	Cindy Crain	Bill to: (if different)	Leasa Hale
Company Name:	Crain Environmental	Company Name:	SWR
Address:	2925 E. 17th St.	Address:	P.O. Box 53570
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Midland, TX 79710
Phone:	(575) 441-7244	Email:	Cindy.Crain@gmail.com

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 Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes			
Project Number:	NSAP0225252743	☒ Routine ☐ Rush	Pres. Code													None: NO	DI Water: H ₂ O
Project Location:	Lea Co., NM	Due Date:														Cool: Cool	MeOH: Me
Sampler's Name:	Cindy Crain	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN
P.O. #:																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters TAN 80/5M BTEX Chlorides										H ₃ PO ₄ : HP	
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:	IR8	NaHSO ₄ : NABIS													
Cooler Custody Seals:	Yes ☐ No ☒ N/A	Correction Factor:	-1	Na ₂ S ₂ O ₃ : NaSO ₃													
Sample Custody Seals:	Yes ☐ No ☒ N/A	Temperature Reading:	1.5	Zn Acetate+NaOH: Zn													
Total Containers:		Corrected Temperature:	1.4	NaOH+Ascorbic Acid: SAPC													
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont											Sample Comments
B-1	S	7/24/25	1100	6'	C	1											
B-2			1104	9'													
S-1			1108	0-4'													
S-2			1110														
S-3			1114														
S-4			1118														
S-5			1121														
S-6			1125														
S-7			1129														
S-8			1134														

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
1 Cindy Crain	2 [Signature]	7/25/25 1305			
3					
5					

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing
Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Cindy Crain	Bill to: (if different)	Leasa Hale
Company Name:	Crain Environmental	Company Name:	SWR
Address:	2925 E. 17th St.	Address:	P.O. Box 53570
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Midland, TX 79710
Phone:	(575) 441-7244	Email:	Cindy.Crain@gmail.com

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:		

[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		Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U		Hg:	1631	/ 245.1	/ 7470	/ 7471				

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1 		7/25/25 1305	2		
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5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Age Group	Number of People
1	1
2	2
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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) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 808

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

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

Project Name:		<u>ARU # 17H</u>		Turn Around		ANALYSIS REQUEST														Preservative Codes					
Project Number:		<u>-</u>		☒ Routine ☐ Rush																None: NO DI Water: H ₂ O					
Project Location:		<u>Lea Co. NM</u>		Due Date:																Cool: Cool MeOH: Me					
Sampler's Name:		<u>Cindy Crain</u>		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN					
PO #:		<u>-</u>																		H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐																H ₃ PO ₄ : HP	
Samples Received Intact:		Yes ☒ No ☐		Thermometer ID:		<u>178</u>																NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Correction Factor:		<u>1.1</u>																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes ☐ No ☒ N/A		Temperature Reading:		<u>1.5</u>																Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:		<u>1.4</u>																NaOH+Ascorbic Acid: SAPC			
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont															Sample Comments			
<u>TS-1</u>		<u>S</u>	<u>7/24/25</u>	<u>1300</u>	<u>0-6"</u>	<u>C</u>	<u>1</u>	<u>TPH 8015 HPL</u>	<u>Chlorides</u>																
<u>TS-2</u>				<u>1305</u>																					
<u>TS-3</u>				<u>1310</u>																					
<u>TS-4</u>				<u>1315</u>																					
<u>TS-5</u>				<u>1320</u>																					
<u>TS-6</u>				<u>1325</u>																					
<u>TS-7</u>				<u>1330</u>																					
<u>TS-8</u>				<u>1335</u>																					
<u>TS-9</u>				<u>1340</u>																					
<u>TS-10</u>				<u>1345</u>																					

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>Cindy Crain</u>	<u>[Signature]</u>	<u>7/25/25 1305</u>			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-60809-1

SDG Number: Lea Co. NM

Login Number: 60809

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/18/2025 10:43:25 AM

JOB DESCRIPTION

State J 2 #17
Lea County, NM

JOB NUMBER

880-61299-1

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
8/18/2025 10:43:25 AM

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

Client: Crain Environmental
Project/Site: State J 2 #17

Laboratory Job ID: 880-61299-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: State J 2 #17

Job ID: 880-61299-1

Job ID: 880-61299-1

Eurofins Midland

Job Narrative 880-61299-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/8/2025 2:09 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 -1.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-7 (880-61299-1), S-8 (880-61299-2) and B-1 (880-61299-3).

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 method blank for preparation batch 880-116251 and analytical batch 880-116852 contained Diesel Range Organics (Over C10-C28) 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

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-116490 and analytical batch 880-116529 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Client Sample ID: S-7

Lab Sample ID: 880-61299-1

Date Collected: 08/07/25 11:45

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-6.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg	-	08/12/25 11:26	08/12/25 20:20	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg	-	08/12/25 11:26	08/12/25 20:20	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg	-	08/12/25 11:26	08/12/25 20:20	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg	-	08/12/25 11:26	08/12/25 20:20	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg	-	08/12/25 11:26	08/12/25 20:20	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg	-	08/12/25 11:26	08/12/25 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	08/12/25 11:26	08/12/25 20:20	1
1,4-Difluorobenzene (Surr)	108		70 - 130	08/12/25 11:26	08/12/25 20:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg	-		08/12/25 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg	-		08/17/25 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg	-	08/08/25 13:20	08/17/25 01:48	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	08/08/25 13:20	08/17/25 01:48	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	08/08/25 13:20	08/17/25 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	08/08/25 13:20	08/17/25 01:48	1
o-Terphenyl	108		70 - 130	08/08/25 13:20	08/17/25 01:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.13	J F1	9.92	0.392	mg/Kg	-		08/13/25 15:51	1

Client Sample ID: S-8

Lab Sample ID: 880-61299-2

Date Collected: 08/07/25 11:49

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-6.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg	-	08/12/25 11:26	08/12/25 20:40	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	-	08/12/25 11:26	08/12/25 20:40	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg	-	08/12/25 11:26	08/12/25 20:40	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg	-	08/12/25 11:26	08/12/25 20:40	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg	-	08/12/25 11:26	08/12/25 20:40	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg	-	08/12/25 11:26	08/12/25 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/12/25 11:26	08/12/25 20:40	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Client Sample ID: S-8

Lab Sample ID: 880-61299-2

Date Collected: 08/07/25 11:49

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 0-6.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	08/12/25 11:26	08/12/25 20:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			08/12/25 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			08/17/25 02:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		08/08/25 13:20	08/17/25 02:05	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		08/08/25 13:20	08/17/25 02:05	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		08/08/25 13:20	08/17/25 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/08/25 13:20	08/17/25 02:05	1
o-Terphenyl	111		70 - 130				08/08/25 13:20	08/17/25 02:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.72	J	9.92	0.392	mg/Kg			08/13/25 16:08	1

Client Sample ID: B-1

Lab Sample ID: 880-61299-3

Date Collected: 08/07/25 11:53

Matrix: Solid

Date Received: 08/08/25 14:09

Sample Depth: 6.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		08/12/25 11:26	08/12/25 21:01	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		08/12/25 11:26	08/12/25 21:01	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		08/12/25 11:26	08/12/25 21:01	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 11:26	08/12/25 21:01	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		08/12/25 11:26	08/12/25 21:01	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		08/12/25 11:26	08/12/25 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	08/12/25 11:26	08/12/25 21:01	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/12/25 11:26	08/12/25 21:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			08/12/25 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.1	J	49.7	15.0	mg/Kg			08/17/25 02:35	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Client Sample ID: B-1
Date Collected: 08/07/25 11:53
Date Received: 08/08/25 14:09
Sample Depth: 6.5'

Lab Sample ID: 880-61299-3
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	<14.4	U	49.7	14.4	mg/Kg	-	08/08/25 13:20	08/17/25 02:35	1	
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg	-	08/08/25 13:20	08/17/25 02:35	1	
Oil Range Organics (Over C28-C36)	15.1	J	49.7	15.0	mg/Kg	-	08/08/25 13:20	08/17/25 02:35	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130				08/08/25 13:20	08/17/25 02:35	1	
o-Terphenyl	116		70 - 130				08/08/25 13:20	08/17/25 02:35	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	4.00	J	9.96	0.393	mg/Kg	-		08/13/25 16:14	1	

Surrogate Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, 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)
880-61299-1	S-7	124	108
880-61299-2	S-8	116	105
880-61299-3	B-1	129	109
890-8615-A-21-B MS	Matrix Spike	103	95
890-8615-A-21-C MSD	Matrix Spike Duplicate	103	115
LCS 880-116494/1-A	Lab Control Sample	95	97
LCSD 880-116494/2-A	Lab Control Sample Dup	97	104
MB 880-116494/5-A	Method Blank	101	101
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)
880-61288-A-5-B MS	Matrix Spike	103	104
880-61288-A-5-C MSD	Matrix Spike Duplicate	120	122
880-61299-1	S-7	96	108
880-61299-2	S-8	98	111
880-61299-3	B-1	102	116
LCS 880-116251/2-A	Lab Control Sample	116	129
LCSD 880-116251/3-A	Lab Control Sample Dup	119	121
MB 880-116251/1-A	Method Blank	90	104
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116494/5-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/12/25 11:26	08/12/25 12:49	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/12/25 11:26	08/12/25 12:49	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/12/25 11:26	08/12/25 12:49	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 11:26	08/12/25 12:49	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/12/25 11:26	08/12/25 12:49	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/12/25 11:26	08/12/25 12:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/12/25 11:26	08/12/25 12:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/12/25 11:26	08/12/25 12:49	1

Lab Sample ID: LCS 880-116494/1-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09449		mg/Kg		94	70 - 130
Toluene	0.100	0.08710		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09855		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1735		mg/Kg		87	70 - 130
o-Xylene	0.100	0.09002		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-116494/2-A

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09780		mg/Kg		98	70 - 130	3	35
Toluene	0.100	0.08990		mg/Kg		90	70 - 130	3	35
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1811		mg/Kg		91	70 - 130	4	35
o-Xylene	0.100	0.09256		mg/Kg		93	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-8615-A-21-B MS

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.08253		mg/Kg		83	70 - 130
Toluene	<0.00200	U	0.100	0.07669		mg/Kg		77	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8615-A-21-B MS

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00109	U	0.100	0.08415		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1494		mg/Kg		75	70 - 130
o-Xylene	<0.00158	U	0.100	0.07545		mg/Kg		75	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 890-8615-A-21-C MSD

Matrix: Solid

Analysis Batch: 116437

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.09458		mg/Kg		95	70 - 130	14	35
Toluene	<0.00200	U	0.100	0.08524		mg/Kg		85	70 - 130	11	35
Ethylbenzene	<0.00109	U	0.100	0.09506		mg/Kg		95	70 - 130	12	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1684		mg/Kg		84	70 - 130	12	35
o-Xylene	<0.00158	U	0.100	0.08552		mg/Kg		86	70 - 130	13	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	115		70 - 130								

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

Lab Sample ID: MB 880-116251/1-A

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/08/25 13:20	08/16/25 20:20	1
Diesel Range Organics (Over C10-C28)	15.90	J	50.0	15.1	mg/Kg		08/08/25 13:20	08/16/25 20:20	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		08/08/25 13:20	08/16/25 20:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/08/25 13:20	08/16/25 20:20	1
o-Terphenyl	104		70 - 130				08/08/25 13:20	08/16/25 20:20	1

Lab Sample ID: LCS 880-116251/2-A

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1170		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1054		mg/Kg		105	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-116251/2-A

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116251

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: LCSD 880-116251/3-A

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116251

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1152		mg/Kg		115	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 880-61288-A-5-B MS

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 116251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	999	1005		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	999	880.1		mg/Kg		88	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-61288-A-5-C MSD

Matrix: Solid

Analysis Batch: 116852

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 116251

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	<14.5	U	999	1189		mg/Kg		119	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<15.1	U	999	1050		mg/Kg		105	70 - 130	18	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	122		70 - 130

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116490/1-A

Matrix: Solid

Analysis Batch: 116529

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			08/13/25 15:34	1

Lab Sample ID: LCS 880-116490/2-A

Matrix: Solid

Analysis Batch: 116529

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	227.3		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-116490/3-A

Matrix: Solid

Analysis Batch: 116529

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	227.8		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-61299-1 MS

Matrix: Solid

Analysis Batch: 116529

Client Sample ID: S-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6.13	J F1	248	219.8	F1	mg/Kg		86	90 - 110

Lab Sample ID: 880-61299-1 MSD

Matrix: Solid

Analysis Batch: 116529

Client Sample ID: S-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.13	J F1	248	220.6	F1	mg/Kg		86	90 - 110	0	20

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 116437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61299-1	S-7	Total/NA	Solid	8021B	116494
880-61299-2	S-8	Total/NA	Solid	8021B	116494
880-61299-3	B-1	Total/NA	Solid	8021B	116494
MB 880-116494/5-A	Method Blank	Total/NA	Solid	8021B	116494
LCS 880-116494/1-A	Lab Control Sample	Total/NA	Solid	8021B	116494
LCSD 880-116494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116494
890-8615-A-21-B MS	Matrix Spike	Total/NA	Solid	8021B	116494
890-8615-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	116494

Prep Batch: 116494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61299-1	S-7	Total/NA	Solid	5035	
880-61299-2	S-8	Total/NA	Solid	5035	
880-61299-3	B-1	Total/NA	Solid	5035	
MB 880-116494/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116494/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116494/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8615-A-21-B MS	Matrix Spike	Total/NA	Solid	5035	
890-8615-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61299-1	S-7	Total/NA	Solid	Total BTEX	
880-61299-2	S-8	Total/NA	Solid	Total BTEX	
880-61299-3	B-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61299-1	S-7	Total/NA	Solid	8015NM Prep	
880-61299-2	S-8	Total/NA	Solid	8015NM Prep	
880-61299-3	B-1	Total/NA	Solid	8015NM Prep	
MB 880-116251/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116251/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116251/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61288-A-5-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61288-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61299-1	S-7	Total/NA	Solid	8015B NM	116251
880-61299-2	S-8	Total/NA	Solid	8015B NM	116251
880-61299-3	B-1	Total/NA	Solid	8015B NM	116251
MB 880-116251/1-A	Method Blank	Total/NA	Solid	8015B NM	116251
LCS 880-116251/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116251
LCSD 880-116251/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116251
880-61288-A-5-B MS	Matrix Spike	Total/NA	Solid	8015B NM	116251
880-61288-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	116251

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 116900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61299-1	S-7	Total/NA	Solid	8015 NM	
880-61299-2	S-8	Total/NA	Solid	8015 NM	
880-61299-3	B-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61299-1	S-7	Soluble	Solid	DI Leach	
880-61299-2	S-8	Soluble	Solid	DI Leach	
880-61299-3	B-1	Soluble	Solid	DI Leach	
MB 880-116490/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116490/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116490/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61299-1 MS	S-7	Soluble	Solid	DI Leach	
880-61299-1 MSD	S-7	Soluble	Solid	DI Leach	

Analysis Batch: 116529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61299-1	S-7	Soluble	Solid	300.0	116490
880-61299-2	S-8	Soluble	Solid	300.0	116490
880-61299-3	B-1	Soluble	Solid	300.0	116490
MB 880-116490/1-A	Method Blank	Soluble	Solid	300.0	116490
LCS 880-116490/2-A	Lab Control Sample	Soluble	Solid	300.0	116490
LCSD 880-116490/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116490
880-61299-1 MS	S-7	Soluble	Solid	300.0	116490
880-61299-1 MSD	S-7	Soluble	Solid	300.0	116490

Lab Chronicle

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Client Sample ID: S-7

Lab Sample ID: 880-61299-1

Date Collected: 08/07/25 11:45

Matrix: Solid

Date Received: 08/08/25 14:09

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	116494	08/12/25 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116437	08/12/25 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116656	08/12/25 20:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			116900	08/17/25 01:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 01:48	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	116490	08/12/25 11:06	SA	EET MID
Soluble	Analysis	300.0		1			116529	08/13/25 15:51	CS	EET MID

Client Sample ID: S-8

Lab Sample ID: 880-61299-2

Date Collected: 08/07/25 11:49

Matrix: Solid

Date Received: 08/08/25 14:09

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	116494	08/12/25 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116437	08/12/25 20:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116656	08/12/25 20:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			116900	08/17/25 02:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 02:05	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	116490	08/12/25 11:06	SA	EET MID
Soluble	Analysis	300.0		1			116529	08/13/25 16:08	CS	EET MID

Client Sample ID: B-1

Lab Sample ID: 880-61299-3

Date Collected: 08/07/25 11:53

Matrix: Solid

Date Received: 08/08/25 14:09

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	116494	08/12/25 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116437	08/12/25 21:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116656	08/12/25 21:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			116900	08/17/25 02:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	116251	08/08/25 13:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116852	08/17/25 02:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	116490	08/12/25 11:06	SA	EET MID
Soluble	Analysis	300.0		1			116529	08/13/25 16:14	CS	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: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Crain Environmental
Project/Site: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, 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: State J 2 #17

Job ID: 880-61299-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-61299-1	S-7	Solid	08/07/25 11:45	08/08/25 14:09	0-6.5'
880-61299-2	S-8	Solid	08/07/25 11:49	08/08/25 14:09	0-6.5'
880-61299-3	B-1	Solid	08/07/25 11:53	08/08/25 14:09	6.5'

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

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-61299-1
SDG Number: Lea County, NM

Login Number: 61299

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
STATE J 2 #017



View to W of well pad excavation (8/7/25).



View to SW of well pad excavation (8/7/25).



View to S of well pad excavation (8/7/25).



View to E of W TB excavation (8/7/25).



View to NW of W TB excavation (8/7/25).



View to W of E TB excavation (8/7/25).



View to SW of TB excavations (8/7/25).



View to S of TB excavations (8/7/25).

APPENDIX D
STATE J 2 #017



View to SW of E TB excavation (8/7/25).



View to SE of TB excavations (8/7/25).



View to SE of W TB excavation (8/7/25).



View to SW of E TB excavation (8/7/25).



View to SE of TB excavations (8/7/25).

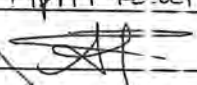
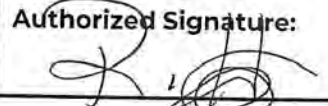


Appendix E: Waste Manifests



LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

NON-HAZARDOUS WASTE MANIFEST		No. 217114	Trailer No. MCVAY-208	
GENERATOR	Company Name: Southwest Royalties		Address: 200 N. Lorraine St., #400 Midland, TX 79710	
	Phone: (432) 685-9038		Disposal Date: 06-30-2025 11:25 AM	
	Name Or Description Of Waste Shipped:			
	☒ RCRA Exempt ☐ RCRA Non-Exempt			
	Weight (lbs): 45820, 41140, 41880			
TRANSPORTER	Lease/Job Name: STATE J2 #017			
	Generator's Representative: Merch Merchant			
	Name: McVay Services			
	Emergency Contact: Marcos Williams			
	Emergency Contact Phone: (806) 841-4554			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico): April Real			
	Signature (Firma): X  Date: 06-30-2025 11:25 AM			
	Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico	Comments:		
Disposal Facility's Certification: I Hereby Certify That The Above-Describe d Wastes Were Delivered To This Facility.				
Authorized Signature: 		Unit No: IIB	Date: 06-30-2025	Time: 11:25 AM

LEA LAND, LLC
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257



LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

NON-HAZARDOUS WASTE MANIFEST		No. 217115	Trailer No. MCVAY-209	
GENERATOR	Company Name: Southwest Royalties Phone: (432) 685-9038		Address: 200 N. Lorraine St., #400 Midland, TX 79710	
			Disposal Date: 06-30-2025 12:00 PM	
	Name Or Description Of Waste Shipped: ☒ RCRA Exempt ☐ RCRA Non-Exempt			
	Weight (lbs): 48040, 48340			
	Lease/Job Name: STATE J2 #017			
Generator's Representative: Merch Merchant				
TRANSPORTER	Name: McVay Services			
	Emergency Contact: Marcos Williams			
	Emergency Contact Phone: (806) 841-4554			
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): X Laura Sepulveda Signature (Firma): X [Signature] Date: 06-30-2025 12:00 PM			
DISPOSAL FACILITY	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		(575) 887-4048	
	Comments:			
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.			
Authorized Signature: [Signature]		Unit No: IIB	Date: 06-30-2025	Time: 12:00 PM

LEA LAND, LLC
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257



LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

NON-HAZARDOUS WASTE MANIFEST		No. 217162	Trailer No. MCVAY 208	
GENERATOR	Company Name: Southwest Royalties		Address: 200 N. Lorraine St., #400 Midland, TX 79710	
	Phone: (432) 685-9038		Disposal Date: 07-01-2025 10:03 AM	
	Name Or Description Of Waste Shipped:			
	☒ RCRA Exempt ☐ RCRA Non-Exempt			
	Weight (lbs): 45700, 45940, 46140			
TRANSPORTER	Lease/Job Name: STATE J2 #017			
	Generator's Representative: Merch Merchant			
	Name: McVay Services			
	Emergency Contact: Marcos Williams			
	Emergency Contact Phone: (806) 841-4554			
DISPOSAL FACILITY	Transporter: Acknowledgment of Delivery of Material			
	Printed/Typed Name (Impreso/Mecanografico): April P. real			
	Signature (Firma): X Date: 07-01-2025 10:03 AM			
	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		(575) 887-4048	
Comments:				
Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.				
Authorized Signature: 		Unit No: IIB	Date: 07-01-2025	Time: 10:03 AM

LEA LAND, LLC
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257



LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

NON-HAZARDOUS WASTE MANIFEST		No. 217207	Trailer No. MCVAY 209	
GENERATOR	Company Name: Southwest Royalties Phone: (432) 685-9038		Address: 200 N. Lorraine St., #400 Midland, TX 79710	
			Disposal Date: 07-03-2025 08:50 AM	
	Name Or Description Of Waste Shipped: ☒ RCRA Exempt ☐ RCRA Non-Exempt			
	Weight (lbs): 55640, 55840, 55980			
	Lease/Job Name: STATE J2 # 017			
TRANSPORTER	Generator's Representative: Merch Merchant			
	Name: McVay Services Emergency Contact: Marcos Williams Emergency Contact Phone: (806) 841-4554			
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): <u>Isaura Sepulveda</u>			
	Signature (Firma): X <u>[Signature]</u>		Date: 07-03-2025 08:50 AM	
DISPOSAL FACILITY	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		(575) 887-4048	
	Comments:			
	Disposal Facility's Certification: I Hereby Certify That The Above-Describe d Wastes Were Delivered To This Facility.			
Authorized Signature: <u>[Signature]</u>		Unit No: IIB	Date: 07-03-2025	Time: 08:50 AM

LEA LAND, LLC
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257



LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

NON-HAZARDOUS WASTE MANIFEST		No. 217262	Trailer No. MC VAY 209	
GENERATOR	Company Name: Southwest Royalties Phone: (432) 685-9038		Address: 200 N. Lorraine St., #400 Midland, TX 79710	
	Disposal Date: 07-07-2025 10:45 AM			
	Name Or Description Of Waste Shipped: ☒ RCRA Exempt ☐ RCRA Non-Exempt			
	Weight (lbs): 48580			
	Lease/Job Name: STATE J2 #017			
Generator's Representative: Merch Merchant				
TRANSPORTER	Name: McVay Services			
	Emergency Contact: Marcos Williams			
	Emergency Contact Phone: (806) 841-4554			
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): <u>R. Sarmaswathi</u> Signature (Firma): X <u>[Signature]</u> Date: 07-07-2025 10:45 AM			
DISPOSAL FACILITY	Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM		(575) 887-4048
	Permit No: NM-1-0035-New Mexico	Comments:		
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.			
	Authorized Signature: <u>[Signature]</u>	Unit No: IIB	Date: 07-07-2025	Time: 10:45 AM

LEA LAND, LLC
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257



LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

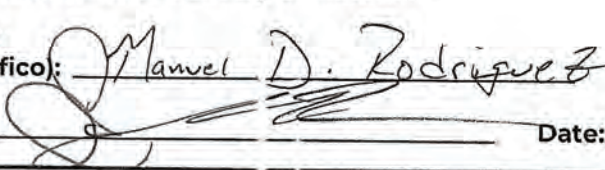
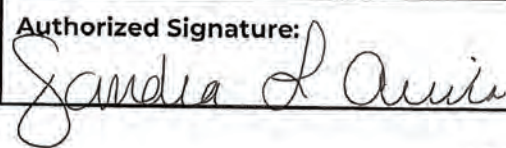
NON-HAZARDOUS WASTE MANIFEST		No. 217255	Trailer No. MCVAY 208	
GENERATOR	Company Name: Southwest Royalties Phone: (432) 685-9038		Address: 200 N. Lorraine St., #400 Midland, TX 79710	
			Disposal Date: 07-07-2025 10:21 AM	
	Name Or Description Of Waste Shipped: ☒ RCRA Exempt ☐ RCRA Non-Exempt			
	Weight (lbs): 56200, 25760			
	Lease/Job Name: STATE J2 #017			
Generator's Representative: Merch Merchant				
TRANSPORTER	Name: McVay Services			
	Emergency Contact: Marcos Williams			
	Emergency Contact Phone: (806) 841-4554			
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): April Reel Signature (Firma): X <i>[Signature]</i> Date: 07-07-2025 10:21 AM			
DISPOSAL FACILITY	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		(575) 887-4048	
	Comments:			
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.			
Authorized Signature: <i>[Signature]</i>		Unit No: IIB	Date: 07-07-2025	Time: 10:21 AM

LEA LAND, LLC
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257



LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

NON-HAZARDOUS WASTE MANIFEST		No. 218657	Trailer No. MC VAY 200
GENERATOR	Company Name: BXP Operating Phone: (281) 848-3696		Address: 11757 Katy FRWY, #475 Houston, TX 77079
			Disposal Date: 08-25-2025 10:34 AM
	Name Or Description Of Waste Shipped: ☒ RCRA Exempt ☐ RCRA Non-Exempt		
	Weight (lbs): 25400		
	Lease/Job Name: STATE J 2 # 017		
TRANSPORTER	Generator's Representative: Jason		
	Name: McVay Services Emergency Contact: Marcos Williams Emergency Contact Phone: (806) 841-4554		
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): Manuel D. Rodriguez		
	Signature (Firma): X  Date: 08-25-2025 10:34 AM		
DISPOSAL FACILITY	Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	(575) 887-4048
	Permit No: NM-1-0035-New Mexico	Comments:	
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.		
	Authorized Signature: 	Unit No: IIB	Date: 08-25-2025

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NON-HAZARDOUS WASTE MANIFEST		No. 218652	Trailer No. MCVAY-209	
GENERATOR	Company Name: BXP Operating Phone: (281) 848-3696		Address: 11757 Katy FRWY, #475 Houston, TX 77079	
	Disposal Date: 08-25-2025 09:49 AM			
	Name Or Description Of Waste Shipped: ☒ RCRA Exempt ☐ RCRA Non-Exempt			
	Weight (lbs): 49480			
	Lease/Job Name: STATE J #2			
Generator's Representative: Jason				
TRANSPORTER	Name: McVay Services Emergency Contact: Marcos Williams Emergency Contact Phone: (806) 841-4554			
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): X <u>Mauro Sepulveda</u>			
	Signature (Firma): X <u>[Signature]</u> Date: 08-25-2025 09:49 AM			
DISPOSAL FACILITY	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		(575) 887-4048	
	Comments:			
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.			
Authorized Signature: 		Unit No: IIB	Date: 08-25-2025	Time: 09:49 AM

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NON-HAZARDOUS WASTE MANIFEST		No. 218644	Trailer No. MCVAY-205	
GENERATOR	Company Name: BXP Operating Phone: (281) 848-3696		Address: 11757 Katy FRWY, #475 Houston, TX 77079	
	Disposal Date: 08-25-2025 09:25 AM			
	Name Or Description Of Waste Shipped: ☒ RCRA Exempt ☐ RCRA Non-Exempt			
	Weight (lbs): 49980			
	Lease/Job Name: STATE J #2			
Generator's Representative: Jason				
TRANSPORTER	Name: McVay Services Emergency Contact: Marcos Williams Emergency Contact Phone: (806) 841-4554			
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): <u>April Real</u>			
	Signature (Firma): <u>X</u> <u>AT</u> Date: 08-25-2025 09:25 AM			
DISPOSAL FACILITY	Lea Land, LLC		Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	
	Permit No: NM-1-0035-New Mexico		(575) 887-4048	
	Comments:			
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.			
Authorized Signature: <u>[Signature]</u>		Unit No: IIB	Date: 08-25-2025	Time: 09:25 AM

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

QUESTIONS

Action 499143

QUESTIONS

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 499143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511834534
Incident Name	NAPP2511834534 STATE J 2 #017 @ 30-025-33277
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-33277] STATE J 2 #017

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	STATE J 2 #017
Date Release Discovered	04/02/2025
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Normal Operations Well Crude Oil Released: 19 BBL Recovered: 0 BBL Lost: 19 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)	This is a historical release being investigated and remediated at the request of SLO/ECO as the well has been P&A'd.

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QUESTIONS, Page 2

Action 499143

QUESTIONS (continued)

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 499143
	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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 04/30/2025
--	--

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QUESTIONS, Page 3

Action 499143

QUESTIONS (continued)

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID:
	21355
	Action Number:
	499143
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 26 and 50 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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 1 and 100 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 100 (ft.)
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)	311
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5620
GRO+DRO (EPA SW-846 Method 8015M)	5620
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/17/2025
On what date will (or did) the final sampling or liner inspection occur	06/30/2025
On what date will (or was) the remediation complete(d)	07/14/2025
What is the estimated surface area (in square feet) that will be reclaimed	5447
What is the estimated volume (in cubic yards) that will be reclaimed	987
What is the estimated surface area (in square feet) that will be remediated	5447
What is the estimated volume (in cubic yards) that will be remediated	987
<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 499143

QUESTIONS (continued)

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 499143
	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	fAB0000000061 TNM-55-95
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 04/30/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 499143

QUESTIONS (continued)

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 499143
	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 499143

QUESTIONS (continued)

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 499143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	491950
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/07/2025
What was the (estimated) number of samples that were to be gathered	11
What was the sampling surface area in square feet	2500

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	2193
What was the total volume (cubic yards) remediated	262
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	2193
What was the total volume (in cubic yards) reclaimed	262
Summarize any additional remediation activities not included by answers (above)	Upon NMOCD and ECO approval of this Closure request, the excavation will be backfilled to grade with non-impacted similar material obtained from a nearby source. The impacted surface area 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: Cindy Crain Email: cindy.crain@gmail.com Date: 08/25/2025

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QUESTIONS, Page 7

Action 499143

QUESTIONS (continued)

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 499143
	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 499143

CONDITIONS

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 499143
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	9/10/2025