

Released Volume Calculation

Length	245 feet
Width	160 feet
Thickness	0.5 in

19,600 gal = 467 Est. Total Bbls Released

Volume = L*W*T

Total Released Volume =	19,600 gallons (US, dry)
	467 Bbls



Site Characterization Report and Remediation Workplan

August 25, 2025

**State C AC 1 COM #001 (North)
Historical Pit
API # 30-025-01034
Incident #nAPP2517756268
Lease No. B0-9949-11**

Prepared For:

BXP Operating, LLC
1515 Calle Sur, Suite 174
Hobbs, New Mexico 88240

Prepared By:

Crain Environmental
2925 East 17th Street
Odessa, Texas 79761

A handwritten signature in blue ink that reads 'Cynthia K. Crain'. Below the signature is a horizontal line.

Cynthia K. Crain, P.G.



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1.0 Introduction

Crain Environmental (CE), on behalf of BXP Operating, LLC (BXP), has prepared this Site Characterization Report and Remediation Workplan for the historical release at the State C AC 1 COM #001 North (Site), located in Unit Letter C, Section 2, Township 12 South, Range 33 East, Lea County, New Mexico. The global positioning system (GPS) coordinates for the Site are 33.312486, -103.585637. The property surface rights are owned by the State of New Mexico (Lease No. B0-9949-11). The location of the Site is depicted on Figure 1.

2.0 Background

On September 2, 2021, BXP received a letter from the New Mexico State Land Office (SLO) that identified a large patch of bare ground located north of the State C AC 1 COM #001 well. The barren area measured approximately 270 feet by 80 feet, covering a total area of approximately 21,600 square feet.

A Remediation Report and Closure Request was submitted to the SLO on January 19, 2023. Upon request of the Environmental Compliance Office (ECO) of the SLO, a Notice of Release (NOR), and Initial C-141, and the Remediation Report and Closure Request was submitted to the New Mexico Oil Conservation Division (NMOCD) on June 26, 2025.

On July 25, 2025, the NMOCD rejected the Closure Request for the following reasons:

- Based on the analytical results table and the sampling diagram, the entire release has not been delineated vertically. Sidewall samples and bottom floor samples cannot be confirmed to have been collected as 5-point composites. Additionally, multiple sample IDs were collected at 2' and 0-2' with no clear distinction between the two ranges in depth. Multiple sample blanks in the table demonstrate high TPH contamination and are not acceptable for accurate sample analyses. There is no sampling notification received by OCD for final confirmation sampling; therefore, sample results may not be accepted. Lastly, based on satellite imagery, the OCD does not believe that the area in question was a reserve pit, as stated in section 4.5 Summary of Remediation Activities.
- No approval for a liner was issued by OCD, nor is there record of approval. Propose a revised remediation plan to OCD within thirty (30) days from receipt of this determination, 8/25/2025.

This Site Characterization Report and Remediation Workplan has been prepared in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC) and is being submitted for Incident #nAPP2517756268.

3.0 NMOCD Closure Criteria

Cleanup standards for 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

Review of the New Mexico Office of the State Engineer (NMOSE) records indicated there are seven water wells within a 0.5-mile radius of the Site (L 01282, L01396, L 01470, L 02165, L 03411, L 10231, and L 14214 POD1). Recorded depths to groundwater are listed in the table below. Figure 2 provides a 0.5-mile radius circle around the Site and shows the location of each well listed below. Based on the water well data available in NMOSE records, it is estimated that depth to groundwater at the Site is approximately 45 feet below ground surface (bgs).

Nearby Water Wells

Well ID	Location from Site	Year Installed	Use	Well Depth and Depth to Water (feet bgs)
L 01282	1,510 feet to the southeast	1951	N/A	122 feet / 55 feet
L 01396	610 feet to the north	1952	N/A	126 feet / 45 feet
L 01470	2,380 feet to the northeast	1952	N/A	110 feet / 45 feet
L 02165	2,130 feet to the southwest	1950	N/A	114 feet / no data
L 03411	440 feet to the northwest	1957	N/A	121 feet / 50 feet
L 10231	1,055 feet to the southeast	1991	N/A	134 feet / 42 feet
L 14214 POD1	2,425 feet to the southwest	2016	N/A	59 feet / no data

3.2 Surface Features and Other Development

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



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

3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a “low karst potential” area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the Site is located outside of a 100-year floodplain. Figures 3, 4, and 5 depict the USFWS map, the FEMA floodplain map, and the karst potential map, respectively.

3.4 Closure Criteria Applicable to the Site

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



NMOCD Closure Criteria

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

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

4.0 Site Assessment/Characterization Results

As per 19.15.29.11 NMAC, a Site Characterization Report will have the components described in Sections 4.1 through 4.5 of this document.

4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, sample point locations, and known subsurface features such as utilities is provided as Figure 6.

4.2 Depth to Groundwater

As discussed in Section 3.1, the exact depth to groundwater beneath the Site is unknown. A review of the NMOSE water well records indicates that depth to groundwater is estimated to be at 45 feet bgs.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 2. As listed in the NMOSE database, there are seven water wells within a 0.5-mile radius of the Site. There were no water sources, springs, or other sources of fresh water extraction identified within 0.5-mile of the Site.

4.4 Distance to Nearest Significant Watercourse

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



4.5 Summary of Investigation/Remediation Activities

As all sample locations were in areas that were previously disturbed, compliance with the Cultural Properties Protection (CPP) Rule does not apply, and an Archaeological Survey was not conducted.

A biological desktop review was conducted, and no sensitive wildlife or plant species were found in proximity to the Site. A copy of the New Mexico Habitat Assessment Tool (NM CHAT) map is included in Appendix A.

From March 3, 2022, through March 23, 2022, impacted soil was excavated from the Site and stockpiled on plastic pending disposal. As soil was excavated, it was determined that the area was a historical reserve pit. Soil samples (S-1 through S-25) were collected from the bottom of the excavation on March 24, 2022.

All soil samples were placed in laboratory prepared containers, properly labeled, immediately placed on ice, and hand delivered to Eurofins / Environment Testing America (Eurofins) in Midland, Texas for analysis of total petroleum hydrocarbons (TPH) by Environmental Protection Agency (EPA) SW-846 Method 8015 Modified, for benzene, toluene, ethylbenzene and xylenes (collectively referred to as BTEX) by EPA SW-846 Method 8021B, and for chlorides by EPA Method 300.

Table 1 provides a summary of the laboratory results, and sample locations with concentrations are provided on Figure 5. The laboratory reports and chain-of-custody documentation are provided in Appendix B. Referring to Table 1, the laboratory reported all BTEX results below the NMOCD Closure Criteria. Concentrations of TPH were above the Closure Criteria in all samples, concentrations of chloride were above the Closure Criteria in samples S-7, S-8, S-10, S-12, S-16, S-17, S-20, S-21, S-22, S-23, and S-25.

As the source of contamination and the majority of impacted soil had been removed from the former pit, BXP proposed to the SLO (on April 8, 2022) to excavate the entire area to a depth of 3' bgs, line the excavation with a 20-mil polyethylene liner, backfill the excavation with clean soil, and re-seed the area.

From April 8, 2022, through April 22, 2022, excavation continued to a depth of 3' bgs across the excavation, with the area around sample point S-20 being excavated to a depth of 6' bgs. On November 3, 2022, soil samples were collected from the sidewalls of the excavation (S-26 through S-37), and from the bottom of the excavation at a depth of 6' bgs (S-38). Soil samples were submitted to Eurofins for analysis of TPH and/or chlorides, as necessary.

Table 1 provides a summary of the laboratory results, and sample locations with concentrations are provided on Figure 5. The laboratory reports and chain-of-custody documentation are provided in Appendix B. Referring to Table 1, the laboratory reported all TPH and chloride concentrations below the Closure Criteria.

Also on November 3, 2022, clean soil was added to the bottom of the excavation, soil was spread to a consistent depth of 3' bgs, a 20-mil polyethylene liner was placed over the bottom and sides of the excavation, and clean soil was used to secure the liner around the borders. The liner extended horizontally to cover all sample points shown on Figure 6.



From November 4, 2022, through November 14, 2022, clean soil was placed above the liner, and the excavation was backfilled to surface grade. Photographic documentation is provided in Appendix C.

4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Laboratory data in Report Numbers 880-12903-1 and 880-21192-1 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 B.

5.0 Proposed Remediation and Reclamation Activities

BXP proposes to excavate the upper 3' of clean soil (to the polyethylene liner) and stockpile the soil adjacent to the excavation to later be used as backfill. Following removal of the upper 3' of clean soil, the polyethylene liner will be removed from the excavation and hauled to an NMOCD approval disposal facility.

Upon removal of the liner, BXP proposes to excavate all impacted soil until 5-point confirmation samples from the bottom and sidewalls of the excavation report TPH, BTEX, and chloride concentrations below the NMOCD Closure Criteria. Complete horizontal and vertical delineation will be completed during excavation/remediation.

Due to the large footprint of the Site, BXP requests a variance from the NMOCD requirement of one soil sample per 200 square feet for confirmation sampling, and requests composite confirmation sample collection be performed for each 400 square feet of excavation floor and each 30 linear feet of excavation sidewall.

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

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

Seeding of the backfilled excavation area will be conducted during the next favorable growing season following completion of remediation. The remediated area will be re-seeded by seed drill method using the NMSLO Coarse Seed Mix (planted in the amount specified in the pounds live seed [PSL] per acre), and fresh water will be applied for two consecutive weeks following re-seeding.

The remediation area covers a surface area of approximately 21,600 square feet, and it is estimated that approximately 800 cubic yards of soil will be hauled to disposal.



6.0 Reclamation Monitoring

The Site will be monitored for vegetation growth to ensure that the reclamation activities performed were sufficient. Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density.

7.0 Schedule of Implementation

BXP respectfully requests a remediation schedule of 180 days from the date of NMOCD approval of this Remediation Workplan to complete the proposed remediation activities and submit a *Remediation Summary and Closure Report* for NMOCD and ECO approval. The Closure Report will summarize remediation activities and confirmation sampling results and will include a scaled Site map and photographs of the final excavation.

8.0 Distribution

Copy 1: Mike Bratcher
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division
Via email at: Mike.Bratcher@emnrd.nm.gov

Copy 2: Environmental Compliance Office
Via email at: ECO@nmslo.gov



TABLE

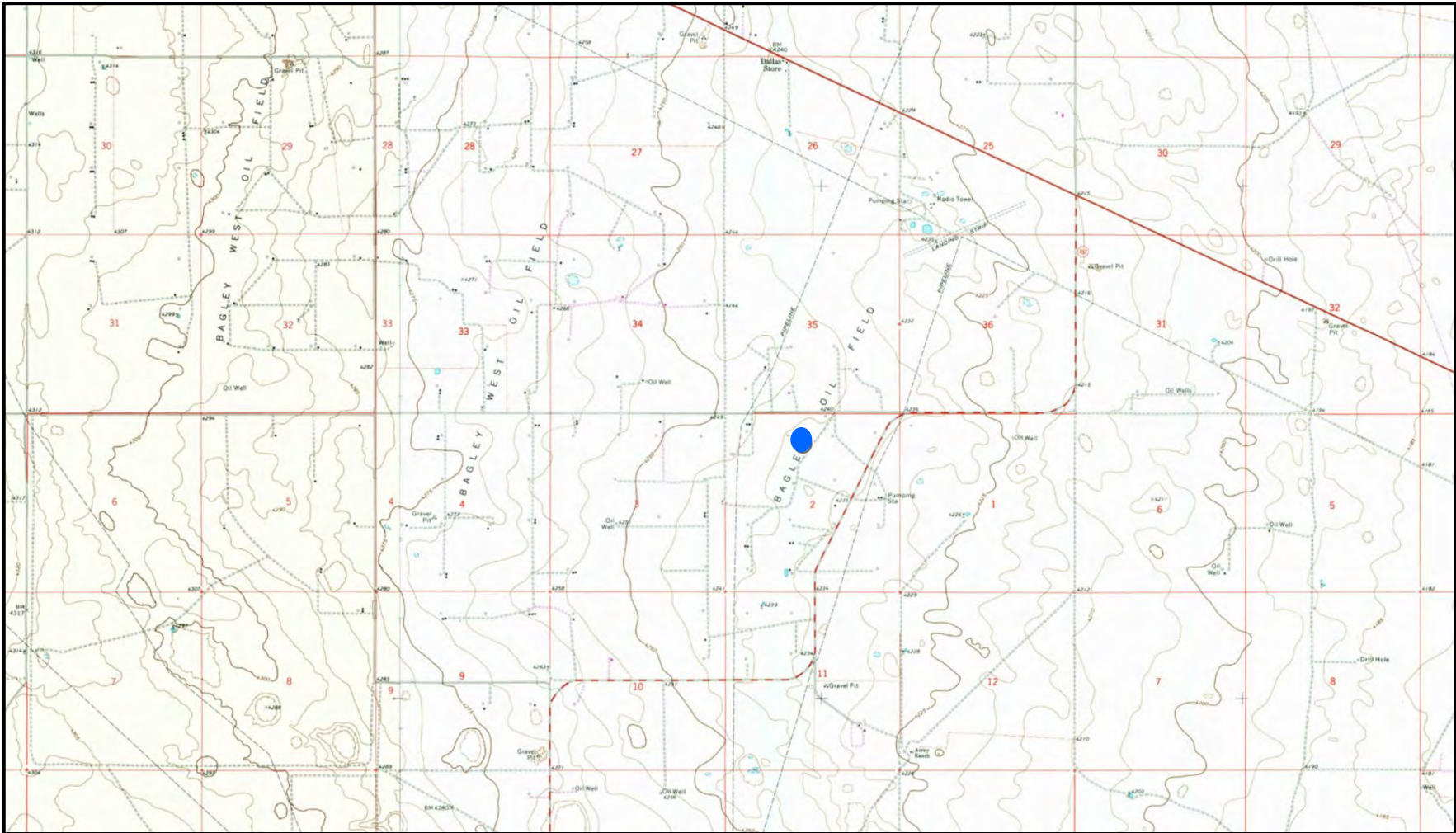
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
BXP OPERATING, LLC
STATE C AC COM #001 (NORTH)

Sample ID	Sample Date	Sample Depth (feet)	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
S-1	03/24/22	2	Excavated	<15.0	304	<15.0	304	0.000469 J F2	0.000936 J F2	<0.000562	0.00206 J F2	0.00347 J	58.1
S-26	11/03/22	0-2	In Situ	35.6 J	56.4 *	<15.0	92	--	--	--	--	--	--
S-2	03/24/22	2	Excavated	<15.0	1,000	248 B	1,250	<0.000384	0.000926 J	<0.000564	<0.00101	0.00158 J	486
S-27	11/03/22	0-2	In Situ	38.6 J	55.1 *	<14.9	93.7	--	--	--	--	--	--
S-3	03/24/22	2	Excavated	<15.0	2,740	436 B	3,180	<0.000385	0.000764 J	<0.000565	<0.00101	0.00122 J	274
S-28	11/03/22	0-2	In Situ	42.1 J	55.9 *	<15.0	98	--	--	--	--	--	--
S-4	03/24/22	2	Excavated	<14.9	1,330	380 B	1,710	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	19.9
S-29	11/03/22	0-2	In Situ	44.8 J	290 J*	<15.0	73.8	--	--	--	--	--	--
S-5	03/24/22	2	Excavated	<15.0	738	193 B	931	<0.000389	0.000605 J	<0.000571	<0.00102	<0.00102	77.9
S-30	11/03/22	0-2	In Situ	42.3 J	<15.0	<15.0	42.3 J	--	--	--	--	--	--
S-6	03/24/22	2	Excavated	<15.0	437	312 B	749	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	14.8
S-31	11/03/22	0-2	In Situ	47.6 J	<15.0	<15.0	47.6 J	--	--	--	--	--	--
S-7	03/24/22	2	Excavated	<14.9	1,160	245 B	1,410	<0.000386	0.000757 J	<0.000566	<0.00101	0.00111 J	899
S-32	11/03/22	0-2	In Situ	48.5 J	<15.0	<15.0	48.5 J	--	--	--	--	--	21.1
S-8	03/24/22	2	Excavated	<15.0	703 F1	<15.0	703	<0.000387	0.00101 J	<0.000567	<0.00101	0.00136 J	885
S-33	11/03/22	0-2	In Situ	48.6 J	<15.0	<15.0	48.6 J	--	--	--	--	--	20.3
S-9	03/24/22	2	Excavated	<15.0	1,930	349 B	2,280	<0.000387	0.000675 J	<0.000567	<0.00101	0.00120 J	498
S-34	11/03/22	0-2	In Situ	31.5 J	28.1 J*	<15.0	59.6	--	--	--	--	--	--
S-10	03/24/22	2	Excavated	295	19,200	6,130 B	25,600	<0.000385	0.000933 J	<0.000565	<0.00101	<0.00101	2,230
S-35	11/03/22	0-2	In Situ	<15.0	76 *	<15.0	76	--	--	--	--	--	18.6
S-11	03/24/22	2	Excavated	<15.0	1,950	563 B	2,510	0.000490 J	0.00105 J	0.000630 J	0.00168 J	0.00385 J	155
S-36	11/03/22	0-2	In Situ	43.7 J	<15.0	<15.0	43.7 J	--	--	--	--	--	--
S-12	03/24/22	2	Excavated	<15.0	3,440	724 B	4,160	0.000398 J	0.000761 J	<0.000559	<0.00100	0.00116 J	1,820
S-37	11/03/22	0-2	In Situ	44.4 J	41.3 J*	<14.9	85.7	--	--	--	--	--	23.2
S-13	03/24/22	2	In Situ	<15.0	2,030	472 B	2,500	<0.000383	0.000611 J	<0.000562	<0.00100	<0.00100	73.6
S-14	03/24/22	2	In Situ	<75.0	22,100	5,360 B	27,500	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	551
S-15	03/24/22	2	In Situ	<14.9	707	299 B	1,010	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	26.8
S-16	03/24/22	2	In Situ	<74.9	15,500	3,230 B	18,700	<0.000386	0.000547 J	<0.000566	0.00105 J	0.00160 J	2,050
S-17	03/24/22	2	In Situ	<74.7	14,000	3,730 B	17,700	0.000422 J	<0.000460	0.000846 J	0.00413	0.0054	942
S-18	03/24/22	2	In Situ	<74.9	8,920	1,820 B	10,700	0.000607 J	0.000584 J	<0.000570	0.00121 J	0.00240 J	308
S-19	03/24/22	2	In Situ	<75.0	4,860	1,410 B	6,270	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	412
S-20	03/24/22	2	Excavated	152 J	11,600	1,620 B	13,400	<0.000387	0.00116 J	0.00245	0.0164	0.0200	2,750
S-38	11/03/22	6	In Situ	47.6 J	33.9 J*	<15.0	81.5	--	--	--	--	--	29.7
S-21	03/24/22	2	In Situ	<74.9	15,500 B	<74.9	15,500	<0.000383 F1	<0.000454 F1	<0.000563 F1	<0.000101 F2	<0.00101	1,170 F1
S-22	03/24/22	2	In Situ	22.3 J	1,210 B	<15.0	1,230	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	721
S-23	03/24/22	2	In Situ	104 J	18,900 B	<74.9	19,000	<0.000388	<0.000460	0.0076	0.00758	0.0151	2,760
S-24	03/24/22	2	In Situ	18.8 J	544 B	<15.0	563	<0.000383	0.00816	<0.000562	<0.00100	0.00816	463
S-25	03/24/22	2	In Situ	83.7	6,480 B	<74.8	6,560	<0.000385	0.000556 J	<0.000565	<0.00101	<0.00101	1,390

- Notes:
- GRO: Gasoline Range Organics
 - DRO: Diesel Range Organics
 - MRO: Motor Oil Range Organics
 - Bold and highlighting indicates the COC was detected above the NMOCD Closure Criteria.
 - < indicates the COC was below the appropriate laboratory method/sample detection limit
 - Yellow highlighting indicates the COC concentration exceeds the NMOCD Closure Criteria
 - F1: MS and/or MSD recovery exceeds control limits.
 - F2: MS/MSD RPD exceeds control limits.
 - *1: LCS/LCSD RPD 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.
 - B: Compound was found in the blank and sample.
 - Green highlighting and italic font indicates soil was excavated and disposed.



FIGURES



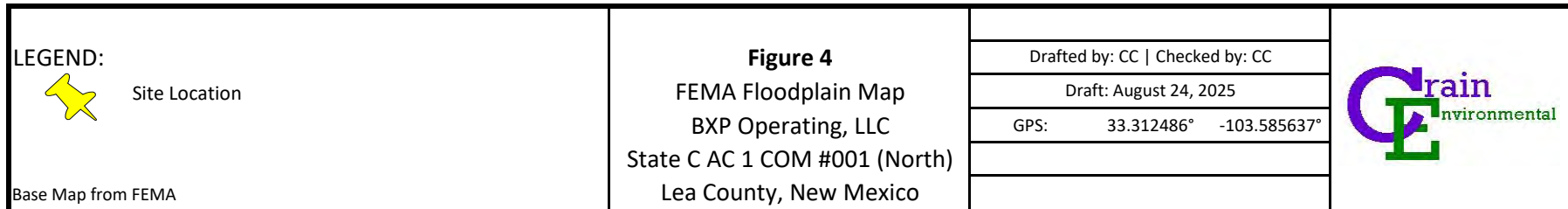
LEGEND: Site Location Base Map from GAIA GPS	Figure 1 Site Location Map BXP Operating, LLC State C AC 1 COM #001 (North) Site Location Map	Drafted by: CC Checked by: CC	Crain Environmental
		Draft: Dec. 8, 2022	
		GPS: 33.312486° -103.585637°	

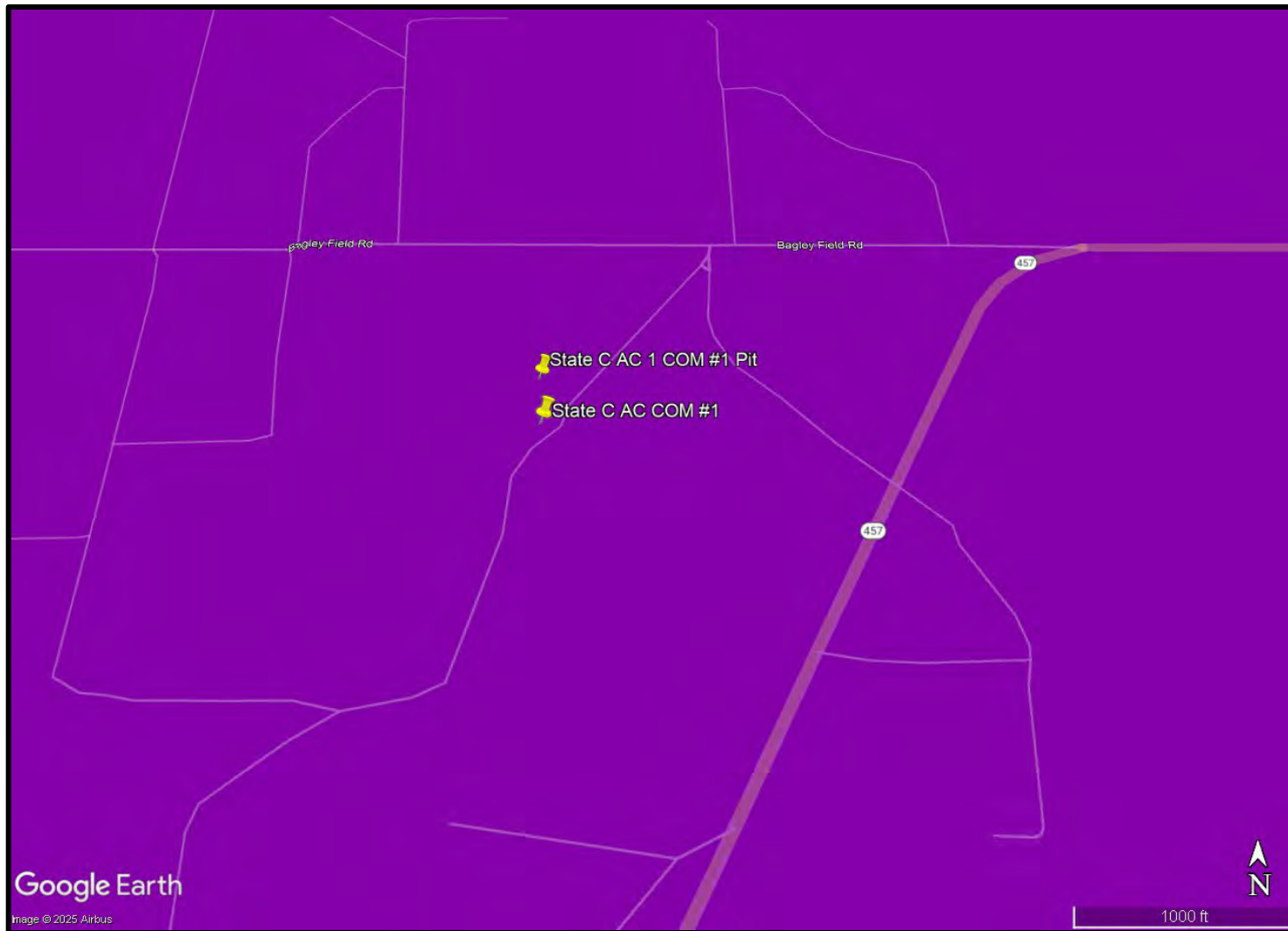


LEGEND:  Site and Water Well Locations  1/2 Mile Radius Base Map from Google Earth	Figure 2 Wellhead Protection Area Map BXP Operating, LLC State C AC 1 COM #001 (North) Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: Dec. 8, 2022	
		GPS: 33.312486° -103.585637°	

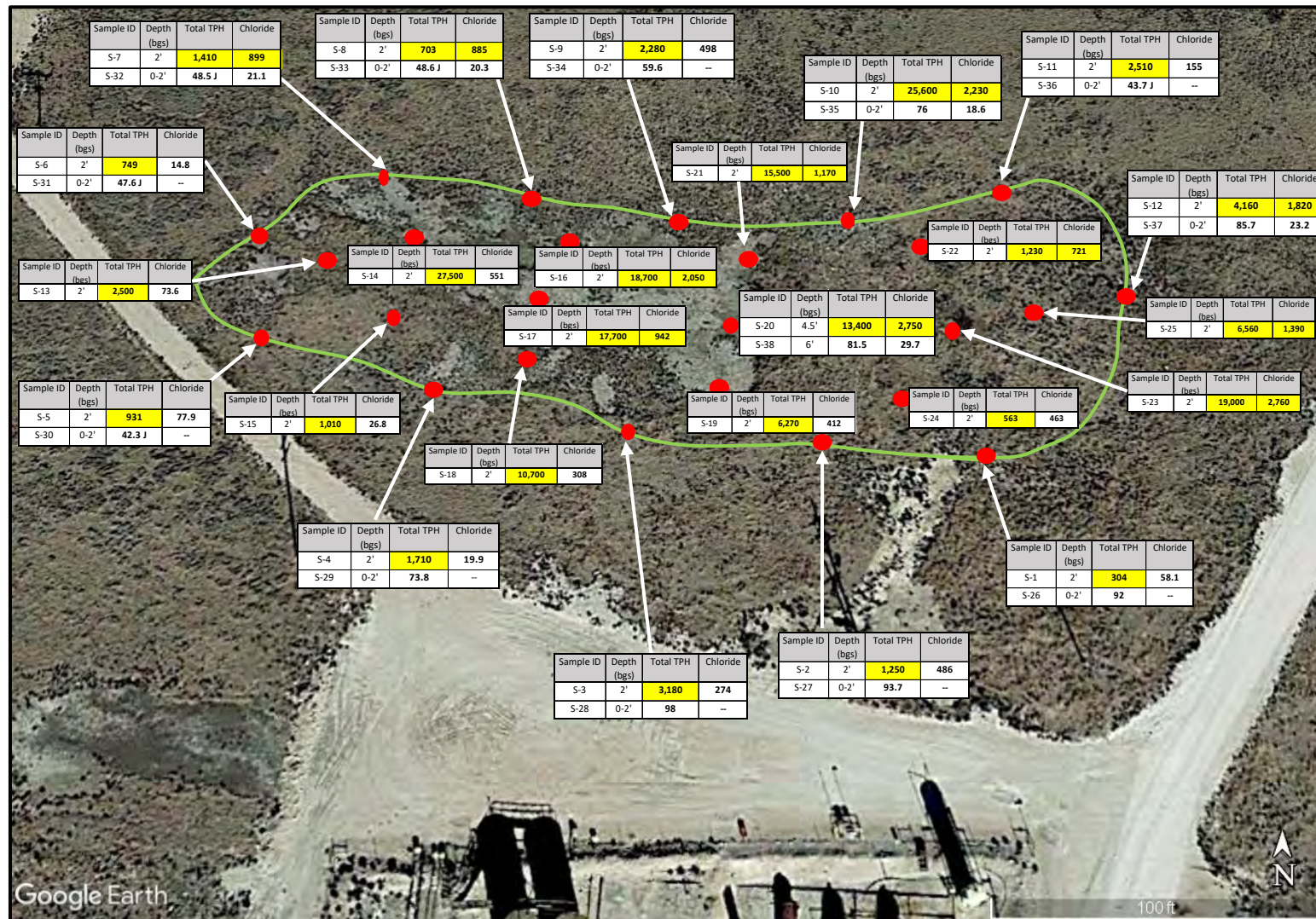


LEGEND:  Site Location Base Map from US Fish & Wildlife Service	Figure 3 National Wetlands Inventory Map BXP Operating, LLC State C AC 1 COM #001 (North) Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: August 24, 2025	
		GPS: 33.312486° -103.585637°	





LEGEND:  Low Karst Potential  Medium Karst Potential  High Karst Potential Base Map from Google Earth Pro and BLM	Figure 5 Karst Potential Map BXP Operating, LLC State C AC 1 COM #001 (North) Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: August 24, 2025	
		GPS: 33.312486° -103.585637°	

**LEGEND:**

- Excavation Boundary/ Area of Liner Placement
- Sample Location With Concentrations (mg/kg) and depth.
- Yellow highlight indicates concentrations above the Closure Criteria
- Note: All benzene and BTEX concentrations are less than the Closure Criteria (benzene = 10 mg/kg, BTEX = 50 mg/kg)

Figure 6
Sample Location Map
 BXP Operating, LLC
 State C AC COM #001 (North)
 Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: Dec. 8, 2022

GPS: 33.312486° -103.585637°





Appendix A: Biological Desktop Review

- [new mexico department of game and fish \(http://www.wildlife.state.nm.us/\)](http://www.wildlife.state.nm.us/)
- [New Mexico Conservation Information System \(https://nhnm.unm.edu/data\)](https://nhnm.unm.edu/data)
- [BISON-M \(http://www.bison-m.org/\)](http://www.bison-m.org/)
- [NM ERT \(https://nmert.org\)](https://nmert.org)
- [NM CHAT \(http://nmchat.org/\)](http://nmchat.org/)
- [SWAP \(http://nmswap.org/\)](http://nmswap.org/)
- [Share with Wildlife \(http://www.wildlife.state.nm.us/conservation/share-with-wildlife/\)](http://www.wildlife.state.nm.us/conservation/share-with-wildlife/)

Environmental Review Tool





Appendix B: Laboratory Analytical Reports



Environment Testing
America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-12903-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: State C AC #1 (North)

For:

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

Attn: Cindy Crain

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
4/7/2022 12:38:07 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Laboratory Job ID: 880-12903-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.
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.
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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Definitions/Glossary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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

Case Narrative

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Job ID: 880-12903-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-12903-1**

Receipt

The samples were received on 3/25/2022 3:15 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 5.5°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-22453 and analytical batch 880-22512 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-22452 and analytical batch 880-22614 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-7 (880-12903-7), S-9 (880-12903-9) and (880-12903-A-1-A MS). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-17 (880-12903-17). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-22508 and analytical batch 880-22434 contained Over C10-C28 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-22508 and analytical batch 880-22434 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The method blank for preparation batch 880-22510 and analytical batch 880-22518 contained Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-22510 and analytical batch 880-22518 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (880-12903-1), S-4 (880-12903-4), S-7 (880-12903-7), S-9 (880-12903-9), S-10 (880-12903-10), S-14 (880-12903-14), S-15 (880-12903-15), S-16 (880-12903-16), S-17 (880-12903-17), S-18 (880-12903-18), S-19 (880-12903-19) and S-20 (880-12903-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recoveries for preparation batch 880-22797 and analytical batch 880-22917 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Job ID: 880-12903-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-1

Lab Sample ID: 880-12903-1

Date Collected: 03/24/22 12:30

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000469	J F2 F1	0.00199	0.000383	mg/Kg		03/28/22 09:41	03/31/22 03:10	1
Toluene	0.000936	J F2 F1	0.00199	0.000453	mg/Kg		03/28/22 09:41	03/31/22 03:10	1
Ethylbenzene	<0.000562	U F2 F1	0.00199	0.000562	mg/Kg		03/28/22 09:41	03/31/22 03:10	1
m-Xylene & p-Xylene	0.00135	J F2 F1	0.00398	0.00100	mg/Kg		03/28/22 09:41	03/31/22 03:10	1
o-Xylene	0.000712	J F2 F1	0.00199	0.000342	mg/Kg		03/28/22 09:41	03/31/22 03:10	1
Xylenes, Total	0.00206	J F2 F1	0.00398	0.00100	mg/Kg		03/28/22 09:41	03/31/22 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/28/22 09:41	03/31/22 03:10	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/28/22 09:41	03/31/22 03:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00347	J	0.00398	0.00100	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	304		49.9	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 23:34	1
Diesel Range Organics (Over C10-C28)	304		49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 23:34	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	03/28/22 15:01	03/29/22 23:34	1
o-Terphenyl	134	S1+	70 - 130	03/28/22 15:01	03/29/22 23:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.1		25.0	4.28	mg/Kg			04/04/22 10:10	5

Client Sample ID: S-3

Lab Sample ID: 880-12903-2

Date Collected: 03/24/22 12:35

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/28/22 09:41	03/31/22 03:30	1
Toluene	0.000764	J	0.00200	0.000456	mg/Kg		03/28/22 09:41	03/31/22 03:30	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/28/22 09:41	03/31/22 03:30	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 09:41	03/31/22 03:30	1
o-Xylene	0.000460	J	0.00200	0.000344	mg/Kg		03/28/22 09:41	03/31/22 03:30	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 09:41	03/31/22 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	03/28/22 09:41	03/31/22 03:30	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-3

Lab Sample ID: 880-12903-2

Date Collected: 03/24/22 12:35

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	03/28/22 09:41	03/31/22 03:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00122	J	0.00400	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3180		49.9	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 23:55	1
Diesel Range Organics (Over C10-C28)	2740		49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 23:55	1
Oil Range Organics (Over C28-C36)	436	B	49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/28/22 15:01	03/29/22 23:55	1
o-Terphenyl	120		70 - 130				03/28/22 15:01	03/29/22 23:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	274		25.0	4.29	mg/Kg			04/04/22 10:28	5

Client Sample ID: S-2

Lab Sample ID: 880-12903-3

Date Collected: 03/24/22 12:40

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/28/22 09:41	03/31/22 03:51	1
Toluene	0.000926	J	0.00200	0.000455	mg/Kg		03/28/22 09:41	03/31/22 03:51	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/28/22 09:41	03/31/22 03:51	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/28/22 09:41	03/31/22 03:51	1
o-Xylene	0.000652	J	0.00200	0.000343	mg/Kg		03/28/22 09:41	03/31/22 03:51	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/28/22 09:41	03/31/22 03:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				03/28/22 09:41	03/31/22 03:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/28/22 09:41	03/31/22 03:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00158	J	0.00399	0.00101	mg/Kg			03/29/22 14:04	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-2

Lab Sample ID: 880-12903-3

Date Collected: 03/24/22 12:40

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1250		49.9	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 00:16	1
Diesel Range Organics (Over C10-C28)	1000		49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 00:16	1
Oil Range Organics (Over C28-C36)	248	B	49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				03/28/22 15:01	03/30/22 00:16	1
o-Terphenyl	128		70 - 130				03/28/22 15:01	03/30/22 00:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	486		24.9	4.27	mg/Kg			04/04/22 10:34	5

Client Sample ID: S-4

Lab Sample ID: 880-12903-4

Date Collected: 03/24/22 12:45

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/28/22 09:41	03/31/22 04:12	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		03/28/22 09:41	03/31/22 04:12	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		03/28/22 09:41	03/31/22 04:12	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg		03/28/22 09:41	03/31/22 04:12	1
o-Xylene	0.000362	J	0.00201	0.000345	mg/Kg		03/28/22 09:41	03/31/22 04:12	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		03/28/22 09:41	03/31/22 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				03/28/22 09:41	03/31/22 04:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/28/22 09:41	03/31/22 04:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1710		49.8	14.9	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 00:37	1
Diesel Range Organics (Over C10-C28)	1330		49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 00:37	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-4

Lab Sample ID: 880-12903-4

Date Collected: 03/24/22 12:45

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	380	B	49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				03/28/22 15:01	03/30/22 00:37	1
o-Terphenyl	138	S1+	70 - 130				03/28/22 15:01	03/30/22 00:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.9		5.01	0.860	mg/Kg			04/04/22 10:40	1

Client Sample ID: S-5

Lab Sample ID: 880-12903-5

Date Collected: 03/24/22 12:50

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		03/28/22 09:41	03/31/22 04:32	1
Toluene	0.000605	J	0.00202	0.000461	mg/Kg		03/28/22 09:41	03/31/22 04:32	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		03/28/22 09:41	03/31/22 04:32	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		03/28/22 09:41	03/31/22 04:32	1
o-Xylene	0.000408	J	0.00202	0.000347	mg/Kg		03/28/22 09:41	03/31/22 04:32	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		03/28/22 09:41	03/31/22 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/28/22 09:41	03/31/22 04:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/28/22 09:41	03/31/22 04:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	931		49.9	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 00:58	1
Diesel Range Organics (Over C10-C28)	738		49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 00:58	1
Oil Range Organics (Over C28-C36)	193	B	49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				03/28/22 15:01	03/30/22 00:58	1
o-Terphenyl	127		70 - 130				03/28/22 15:01	03/30/22 00:58	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-5

Lab Sample ID: 880-12903-5

Date Collected: 03/24/22 12:50

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.9		4.99	0.857	mg/Kg			04/07/22 00:35	1

Client Sample ID: S-6

Lab Sample ID: 880-12903-6

Date Collected: 03/24/22 12:55

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/22 09:41	03/31/22 04:53	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/28/22 09:41	03/31/22 04:53	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/28/22 09:41	03/31/22 04:53	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/28/22 09:41	03/31/22 04:53	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/28/22 09:41	03/31/22 04:53	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/28/22 09:41	03/31/22 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/28/22 09:41	03/31/22 04:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/28/22 09:41	03/31/22 04:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	749		50.0	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 01:18	1
Diesel Range Organics (Over C10-C28)	437		50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 01:18	1
Oil Range Organics (Over C28-C36)	312	B	50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/28/22 15:01	03/30/22 01:18	1
o-Terphenyl	111		70 - 130				03/28/22 15:01	03/30/22 01:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		4.97	0.853	mg/Kg			04/04/22 11:03	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-7

Lab Sample ID: 880-12903-7

Date Collected: 03/24/22 13:00

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		03/28/22 09:41	03/31/22 05:13	1
Toluene	0.000757	J	0.00200	0.000457	mg/Kg		03/28/22 09:41	03/31/22 05:13	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		03/28/22 09:41	03/31/22 05:13	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		03/28/22 09:41	03/31/22 05:13	1
o-Xylene	0.000355	J	0.00200	0.000345	mg/Kg		03/28/22 09:41	03/31/22 05:13	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		03/28/22 09:41	03/31/22 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	03/28/22 09:41	03/31/22 05:13	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/28/22 09:41	03/31/22 05:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00111	J	0.00401	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1410		49.8	14.9	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 01:39	1
Diesel Range Organics (Over C10-C28)	1160		49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 01:39	1
Oil Range Organics (Over C28-C36)	245	B	49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	03/28/22 15:01	03/30/22 01:39	1
o-Terphenyl	140	S1+	70 - 130	03/28/22 15:01	03/30/22 01:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	899		24.9	4.27	mg/Kg			04/04/22 11:09	5

Client Sample ID: S-8

Lab Sample ID: 880-12903-8

Date Collected: 03/24/22 13:05

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/28/22 09:41	03/31/22 05:34	1
Toluene	0.00101	J	0.00201	0.000458	mg/Kg		03/28/22 09:41	03/31/22 05:34	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		03/28/22 09:41	03/31/22 05:34	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg		03/28/22 09:41	03/31/22 05:34	1
o-Xylene	0.000345	J	0.00201	0.000345	mg/Kg		03/28/22 09:41	03/31/22 05:34	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		03/28/22 09:41	03/31/22 05:34	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-8

Lab Sample ID: 880-12903-8

Date Collected: 03/24/22 13:05

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	03/28/22 09:41	03/31/22 05:34	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/28/22 09:41	03/31/22 05:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00136	J	0.00402	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	703		49.9	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 22:31	1
Diesel Range Organics (Over C10-C28)	703	F1	49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 22:31	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/28/22 15:01	03/29/22 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/28/22 15:01	03/29/22 22:31	1
o-Terphenyl	115		70 - 130				03/28/22 15:01	03/29/22 22:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	885		24.8	4.25	mg/Kg			04/04/22 11:15	5

Client Sample ID: S-9

Lab Sample ID: 880-12903-9

Date Collected: 03/24/22 13:10

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/28/22 09:41	03/31/22 05:55	1
Toluene	0.000675	J	0.00201	0.000458	mg/Kg		03/28/22 09:41	03/31/22 05:55	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		03/28/22 09:41	03/31/22 05:55	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg		03/28/22 09:41	03/31/22 05:55	1
o-Xylene	0.000524	J	0.00201	0.000345	mg/Kg		03/28/22 09:41	03/31/22 05:55	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		03/28/22 09:41	03/31/22 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130	03/28/22 09:41	03/31/22 05:55	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/28/22 09:41	03/31/22 05:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00120	J	0.00402	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2280		50.0	15.0	mg/Kg			03/29/22 10:55	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-9

Lab Sample ID: 880-12903-9

Date Collected: 03/24/22 13:10

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 01:59	1
Diesel Range Organics (Over C10-C28)	1930		50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 01:59	1
Oil Range Organics (Over C28-C36)	349	B	50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 01:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				03/28/22 15:01	03/30/22 01:59	1
o-Terphenyl	135	S1+	70 - 130				03/28/22 15:01	03/30/22 01:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	498		24.8	4.25	mg/Kg			04/04/22 11:21	5

Client Sample ID: S-10

Lab Sample ID: 880-12903-10

Date Collected: 03/24/22 13:15

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/28/22 09:41	03/31/22 06:15	1
Toluene	0.000933	J	0.00200	0.000456	mg/Kg		03/28/22 09:41	03/31/22 06:15	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/28/22 09:41	03/31/22 06:15	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 09:41	03/31/22 06:15	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/28/22 09:41	03/31/22 06:15	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 09:41	03/31/22 06:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				03/28/22 09:41	03/31/22 06:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/28/22 09:41	03/31/22 06:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	25600		249	74.8	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	295		249	74.8	mg/Kg		03/28/22 15:01	03/30/22 02:20	5
Diesel Range Organics (Over C10-C28)	19200		249	74.8	mg/Kg		03/28/22 15:01	03/30/22 02:20	5
Oil Range Organics (Over C28-C36)	6130	B	249	74.8	mg/Kg		03/28/22 15:01	03/30/22 02:20	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/28/22 15:01	03/30/22 02:20	5

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-10

Lab Sample ID: 880-12903-10

Date Collected: 03/24/22 13:15

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	161	S1+	70 - 130	03/28/22 15:01	03/30/22 02:20	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		50.1	8.60	mg/Kg			04/04/22 11:27	10

Client Sample ID: S-11

Lab Sample ID: 880-12903-11

Date Collected: 03/24/22 13:20

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000490	J	0.00199	0.000383	mg/Kg		03/28/22 09:41	03/31/22 07:39	1
Toluene	0.00105	J	0.00199	0.000454	mg/Kg		03/28/22 09:41	03/31/22 07:39	1
Ethylbenzene	0.000630	J	0.00199	0.000563	mg/Kg		03/28/22 09:41	03/31/22 07:39	1
m-Xylene & p-Xylene	0.00125	J	0.00398	0.00101	mg/Kg		03/28/22 09:41	03/31/22 07:39	1
o-Xylene	0.000431	J	0.00199	0.000343	mg/Kg		03/28/22 09:41	03/31/22 07:39	1
Xylenes, Total	0.00168	J	0.00398	0.00101	mg/Kg		03/28/22 09:41	03/31/22 07:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/28/22 09:41	03/31/22 07:39	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/28/22 09:41	03/31/22 07:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00385	J	0.00398	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2510		50.0	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:01	1
Diesel Range Organics (Over C10-C28)	1950		50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:01	1
Oil Range Organics (Over C28-C36)	563	B	50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	03/28/22 15:01	03/30/22 03:01	1
o-Terphenyl	113		70 - 130	03/28/22 15:01	03/30/22 03:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		25.0	4.28	mg/Kg			04/04/22 11:33	5

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-12

Lab Sample ID: 880-12903-12

Date Collected: 03/24/22 13:25

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000398	J	0.00198	0.000381	mg/Kg		03/28/22 09:41	03/31/22 07:59	1
Toluene	0.000761	J	0.00198	0.000451	mg/Kg		03/28/22 09:41	03/31/22 07:59	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/28/22 09:41	03/31/22 07:59	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		03/28/22 09:41	03/31/22 07:59	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		03/28/22 09:41	03/31/22 07:59	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		03/28/22 09:41	03/31/22 07:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	03/28/22 09:41	03/31/22 07:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/28/22 09:41	03/31/22 07:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00116	J	0.00396	0.00100	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4160		49.9	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:21	1
Diesel Range Organics (Over C10-C28)	3440		49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:21	1
Oil Range Organics (Over C28-C36)	724	B	49.9	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/28/22 15:01	03/30/22 03:21	1
o-Terphenyl	128		70 - 130	03/28/22 15:01	03/30/22 03:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1820		50.0	8.58	mg/Kg			04/04/22 11:50	10

Client Sample ID: S-13

Lab Sample ID: 880-12903-13

Date Collected: 03/24/22 13:30

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/22 09:41	03/31/22 08:20	1
Toluene	0.000611	J	0.00199	0.000453	mg/Kg		03/28/22 09:41	03/31/22 08:20	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/28/22 09:41	03/31/22 08:20	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/22 09:41	03/31/22 08:20	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/28/22 09:41	03/31/22 08:20	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/22 09:41	03/31/22 08:20	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-13

Lab Sample ID: 880-12903-13

Date Collected: 03/24/22 13:30

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/28/22 09:41	03/31/22 08:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/28/22 09:41	03/31/22 08:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2500		50.0	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:41	1
Diesel Range Organics (Over C10-C28)	2030		50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:41	1
Oil Range Organics (Over C28-C36)	472	B	50.0	15.0	mg/Kg		03/28/22 15:01	03/30/22 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/28/22 15:01	03/30/22 03:41	1
o-Terphenyl	107		70 - 130	03/28/22 15:01	03/30/22 03:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.6		4.95	0.850	mg/Kg			04/07/22 00:44	1

Client Sample ID: S-14

Lab Sample ID: 880-12903-14

Date Collected: 03/24/22 13:35

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/28/22 09:41	03/31/22 08:40	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		03/28/22 09:41	03/31/22 08:40	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/28/22 09:41	03/31/22 08:40	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		03/28/22 09:41	03/31/22 08:40	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		03/28/22 09:41	03/31/22 08:40	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		03/28/22 09:41	03/31/22 08:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	03/28/22 09:41	03/31/22 08:40	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/28/22 09:41	03/31/22 08:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/29/22 14:04	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-14

Lab Sample ID: 880-12903-14

Date Collected: 03/24/22 13:35

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27500		250	75.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<75.0	U	250	75.0	mg/Kg		03/28/22 15:01	03/30/22 04:02	5
Diesel Range Organics (Over C10-C28)	22100		250	75.0	mg/Kg		03/28/22 15:01	03/30/22 04:02	5
Oil Range Organics (Over C28-C36)	5360	B	250	75.0	mg/Kg		03/28/22 15:01	03/30/22 04:02	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/28/22 15:01	03/30/22 04:02	5
o-Terphenyl	312	S1+	70 - 130				03/28/22 15:01	03/30/22 04:02	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	551		25.2	4.33	mg/Kg			04/04/22 12:14	5

Client Sample ID: S-15

Lab Sample ID: 880-12903-15

Date Collected: 03/24/22 13:40

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		03/28/22 09:41	03/31/22 09:01	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/28/22 09:41	03/31/22 09:01	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/28/22 09:41	03/31/22 09:01	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/28/22 09:41	03/31/22 09:01	1
o-Xylene	0.000625	J	0.00200	0.000343	mg/Kg		03/28/22 09:41	03/31/22 09:01	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/28/22 09:41	03/31/22 09:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/28/22 09:41	03/31/22 09:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/28/22 09:41	03/31/22 09:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1010		49.8	14.9	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 04:22	1
Diesel Range Organics (Over C10-C28)	707		49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 04:22	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-15

Lab Sample ID: 880-12903-15

Date Collected: 03/24/22 13:40

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	299	B	49.8	14.9	mg/Kg		03/28/22 15:01	03/30/22 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				03/28/22 15:01	03/30/22 04:22	1
o-Terphenyl	135	S1+	70 - 130				03/28/22 15:01	03/30/22 04:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.8		5.05	0.867	mg/Kg			04/04/22 12:19	1

Client Sample ID: S-16

Lab Sample ID: 880-12903-16

Date Collected: 03/24/22 13:45

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		03/28/22 09:41	03/31/22 09:22	1
Toluene	0.000547	J	0.00200	0.000457	mg/Kg		03/28/22 09:41	03/31/22 09:22	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		03/28/22 09:41	03/31/22 09:22	1
m-Xylene & p-Xylene	0.00105	J	0.00401	0.00101	mg/Kg		03/28/22 09:41	03/31/22 09:22	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		03/28/22 09:41	03/31/22 09:22	1
Xylenes, Total	0.00105	J	0.00401	0.00101	mg/Kg		03/28/22 09:41	03/31/22 09:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				03/28/22 09:41	03/31/22 09:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/28/22 09:41	03/31/22 09:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00160	J	0.00401	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18700		250	74.9	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<74.9	U	250	74.9	mg/Kg		03/28/22 15:01	03/30/22 07:10	5
Diesel Range Organics (Over C10-C28)	15500		250	74.9	mg/Kg		03/28/22 15:01	03/30/22 07:10	5
Oil Range Organics (Over C28-C36)	3230	B	250	74.9	mg/Kg		03/28/22 15:01	03/30/22 07:10	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/28/22 15:01	03/30/22 07:10	5
o-Terphenyl	131	S1+	70 - 130				03/28/22 15:01	03/30/22 07:10	5

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-16

Lab Sample ID: 880-12903-16

Date Collected: 03/24/22 13:45

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		49.7	8.53	mg/Kg			04/04/22 12:25	10

Client Sample ID: S-17

Lab Sample ID: 880-12903-17

Date Collected: 03/24/22 13:50

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000422	J	0.00202	0.000388	mg/Kg		03/28/22 09:41	03/31/22 09:42	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		03/28/22 09:41	03/31/22 09:42	1
Ethylbenzene	0.000846	J	0.00202	0.000570	mg/Kg		03/28/22 09:41	03/31/22 09:42	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		03/28/22 09:41	03/31/22 09:42	1
o-Xylene	0.00413		0.00202	0.000347	mg/Kg		03/28/22 09:41	03/31/22 09:42	1
Xylenes, Total	0.00413		0.00403	0.00102	mg/Kg		03/28/22 09:41	03/31/22 09:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				03/28/22 09:41	03/31/22 09:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/28/22 09:41	03/31/22 09:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00540		0.00403	0.00102	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17700		249	74.7	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<74.7	U	249	74.7	mg/Kg		03/28/22 15:01	03/30/22 05:03	5
Diesel Range Organics (Over C10-C28)	14000		249	74.7	mg/Kg		03/28/22 15:01	03/30/22 05:03	5
Oil Range Organics (Over C28-C36)	3730	B	249	74.7	mg/Kg		03/28/22 15:01	03/30/22 05:03	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/28/22 15:01	03/30/22 05:03	5
o-Terphenyl	165	S1+	70 - 130				03/28/22 15:01	03/30/22 05:03	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	942		24.8	4.25	mg/Kg			04/04/22 12:31	5

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-18

Lab Sample ID: 880-12903-18

Date Collected: 03/24/22 13:55

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000607	J	0.00202	0.000388	mg/Kg		03/28/22 09:41	03/31/22 10:03	1
Toluene	0.000584	J	0.00202	0.000460	mg/Kg		03/28/22 09:41	03/31/22 10:03	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		03/28/22 09:41	03/31/22 10:03	1
m-Xylene & p-Xylene	0.00121	J	0.00403	0.00102	mg/Kg		03/28/22 09:41	03/31/22 10:03	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		03/28/22 09:41	03/31/22 10:03	1
Xylenes, Total	0.00121	J	0.00403	0.00102	mg/Kg		03/28/22 09:41	03/31/22 10:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/28/22 09:41	03/31/22 10:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/28/22 09:41	03/31/22 10:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00240	J	0.00403	0.00102	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10700		250	74.9	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<74.9	U	250	74.9	mg/Kg		03/28/22 15:01	03/30/22 05:23	5
Diesel Range Organics (Over C10-C28)	8920		250	74.9	mg/Kg		03/28/22 15:01	03/30/22 05:23	5
Oil Range Organics (Over C28-C36)	1820	B	250	74.9	mg/Kg		03/28/22 15:01	03/30/22 05:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	03/28/22 15:01	03/30/22 05:23	5
o-Terphenyl	142	S1+	70 - 130	03/28/22 15:01	03/30/22 05:23	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	308		25.0	4.28	mg/Kg			04/04/22 12:37	5

Client Sample ID: S-19

Lab Sample ID: 880-12903-19

Date Collected: 03/24/22 14:00

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		03/28/22 09:41	03/31/22 10:24	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		03/28/22 09:41	03/31/22 10:24	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		03/28/22 09:41	03/31/22 10:24	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		03/28/22 09:41	03/31/22 10:24	1
o-Xylene	0.000438	J	0.00202	0.000347	mg/Kg		03/28/22 09:41	03/31/22 10:24	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		03/28/22 09:41	03/31/22 10:24	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-19

Lab Sample ID: 880-12903-19

Date Collected: 03/24/22 14:00

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/28/22 09:41	03/31/22 10:24	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/28/22 09:41	03/31/22 10:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6270		250	75.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<75.0	U	250	75.0	mg/Kg		03/28/22 15:01	03/30/22 05:43	5
Diesel Range Organics (Over C10-C28)	4860		250	75.0	mg/Kg		03/28/22 15:01	03/30/22 05:43	5
Oil Range Organics (Over C28-C36)	1410	B	250	75.0	mg/Kg		03/28/22 15:01	03/30/22 05:43	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				03/28/22 15:01	03/30/22 05:43	5
o-Terphenyl	137	S1+	70 - 130				03/28/22 15:01	03/30/22 05:43	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	412		24.9	4.27	mg/Kg			04/04/22 12:43	5

Client Sample ID: S-20

Lab Sample ID: 880-12903-20

Date Collected: 03/24/22 14:05

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/28/22 09:41	03/31/22 10:44	1
Toluene	0.00116	J	0.00201	0.000458	mg/Kg		03/28/22 09:41	03/31/22 10:44	1
Ethylbenzene	0.00245		0.00201	0.000567	mg/Kg		03/28/22 09:41	03/31/22 10:44	1
m-Xylene & p-Xylene	0.0116		0.00402	0.00101	mg/Kg		03/28/22 09:41	03/31/22 10:44	1
o-Xylene	0.00477		0.00201	0.000345	mg/Kg		03/28/22 09:41	03/31/22 10:44	1
Xylenes, Total	0.0164		0.00402	0.00101	mg/Kg		03/28/22 09:41	03/31/22 10:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/28/22 09:41	03/31/22 10:44	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/28/22 09:41	03/31/22 10:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0200		0.00402	0.00101	mg/Kg			03/29/22 14:04	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-20

Lab Sample ID: 880-12903-20

Date Collected: 03/24/22 14:05

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13400		250	74.9	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	152	J	250	74.9	mg/Kg		03/28/22 15:01	03/30/22 06:04	5
Diesel Range Organics (Over C10-C28)	11600		250	74.9	mg/Kg		03/28/22 15:01	03/30/22 06:04	5
Oil Range Organics (Over C28-C36)	1620	B	250	74.9	mg/Kg		03/28/22 15:01	03/30/22 06:04	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				03/28/22 15:01	03/30/22 06:04	5
o-Terphenyl	262	S1+	70 - 130				03/28/22 15:01	03/30/22 06:04	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2750		49.5	8.50	mg/Kg			04/04/22 12:49	10

Client Sample ID: S-21

Lab Sample ID: 880-12903-21

Date Collected: 03/24/22 14:10

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U F1	0.00199	0.000383	mg/Kg		03/28/22 16:00	03/29/22 10:44	1
Toluene	<0.000454	U F1	0.00199	0.000454	mg/Kg		03/28/22 16:00	03/29/22 10:44	1
Ethylbenzene	<0.000563	U F1	0.00199	0.000563	mg/Kg		03/28/22 16:00	03/29/22 10:44	1
m-Xylene & p-Xylene	<0.00101	U F2 F1	0.00398	0.00101	mg/Kg		03/28/22 16:00	03/29/22 10:44	1
o-Xylene	<0.000343	U F2 F1	0.00199	0.000343	mg/Kg		03/28/22 16:00	03/29/22 10:44	1
Xylenes, Total	<0.00101	U F2 F1	0.00398	0.00101	mg/Kg		03/28/22 16:00	03/29/22 10:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/28/22 16:00	03/29/22 10:44	1
1,4-Difluorobenzene (Surr)	114		70 - 130				03/28/22 16:00	03/29/22 10:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15500		250	74.9	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<74.9	U	250	74.9	mg/Kg		03/28/22 14:51	03/29/22 03:19	5
Diesel Range Organics (Over C10-C28)	15500	B	250	74.9	mg/Kg		03/28/22 14:51	03/29/22 03:19	5
Oil Range Organics (Over C28-C36)	<74.9	U	250	74.9	mg/Kg		03/28/22 14:51	03/29/22 03:19	5

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-21

Lab Sample ID: 880-12903-21

Date Collected: 03/24/22 14:10

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	03/28/22 14:51	03/29/22 03:19	5
o-Terphenyl	157	S1+	70 - 130	03/28/22 14:51	03/29/22 03:19	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170	F1	24.8	4.25	mg/Kg			04/04/22 11:03	5

Client Sample ID: S-22

Lab Sample ID: 880-12903-22

Date Collected: 03/24/22 14:15

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/28/22 16:00	03/29/22 11:05	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		03/28/22 16:00	03/29/22 11:05	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/28/22 16:00	03/29/22 11:05	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		03/28/22 16:00	03/29/22 11:05	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		03/28/22 16:00	03/29/22 11:05	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		03/28/22 16:00	03/29/22 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/28/22 16:00	03/29/22 11:05	1
1,4-Difluorobenzene (Surr)	111		70 - 130	03/28/22 16:00	03/29/22 11:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1230		49.9	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.3	J	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 07:42	1
Diesel Range Organics (Over C10-C28)	1210	B	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 07:42	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/28/22 14:51	03/29/22 07:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/28/22 14:51	03/29/22 07:42	1
o-Terphenyl	116		70 - 130	03/28/22 14:51	03/29/22 07:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	721		49.8	8.55	mg/Kg			04/04/22 11:30	10

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-23

Lab Sample ID: 880-12903-23

Date Collected: 03/24/22 14:20

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		03/28/22 16:00	03/29/22 11:25	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		03/28/22 16:00	03/29/22 11:25	1
Ethylbenzene	0.00755		0.00202	0.000570	mg/Kg		03/28/22 16:00	03/29/22 11:25	1
m-Xylene & p-Xylene	0.00718		0.00403	0.00102	mg/Kg		03/28/22 16:00	03/29/22 11:25	1
o-Xylene	0.000404	J	0.00202	0.000347	mg/Kg		03/28/22 16:00	03/29/22 11:25	1
Xylenes, Total	0.00758		0.00403	0.00102	mg/Kg		03/28/22 16:00	03/29/22 11:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/28/22 16:00	03/29/22 11:25	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/28/22 16:00	03/29/22 11:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0151		0.00403	0.00102	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19000		250	74.9	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	104	J	250	74.9	mg/Kg		03/28/22 14:51	03/29/22 04:00	5
Diesel Range Organics (Over C10-C28)	18900	B	250	74.9	mg/Kg		03/28/22 14:51	03/29/22 04:00	5
Oil Range Organics (Over C28-C36)	<74.9	U	250	74.9	mg/Kg		03/28/22 14:51	03/29/22 04:00	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	03/28/22 14:51	03/29/22 04:00	5
o-Terphenyl	144	S1+	70 - 130	03/28/22 14:51	03/29/22 04:00	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2760		49.9	8.57	mg/Kg			04/04/22 11:38	10

Client Sample ID: S-24

Lab Sample ID: 880-12903-24

Date Collected: 03/24/22 14:25

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/22 16:00	03/29/22 11:46	1
Toluene	0.00816		0.00199	0.000453	mg/Kg		03/28/22 16:00	03/29/22 11:46	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/28/22 16:00	03/29/22 11:46	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/22 16:00	03/29/22 11:46	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/28/22 16:00	03/29/22 11:46	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/22 16:00	03/29/22 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/28/22 16:00	03/29/22 11:46	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-24

Lab Sample ID: 880-12903-24

Date Collected: 03/24/22 14:25

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	109		70 - 130	03/28/22 16:00	03/29/22 11:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00816		0.00398	0.00100	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	563		50.0	15.0	mg/Kg			03/29/22 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.8	J	50.0	15.0	mg/Kg		03/28/22 14:51	03/29/22 08:02	1
Diesel Range Organics (Over C10-C28)	544	B	50.0	15.0	mg/Kg		03/28/22 14:51	03/29/22 08:02	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/28/22 14:51	03/29/22 08:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/28/22 14:51	03/29/22 08:02	1
o-Terphenyl	117		70 - 130				03/28/22 14:51	03/29/22 08:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	463		50.0	8.58	mg/Kg			04/04/22 11:47	10

Client Sample ID: S-25

Lab Sample ID: 880-12903-25

Date Collected: 03/24/22 14:30

Matrix: Solid

Date Received: 03/25/22 15:15

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/28/22 16:00	03/29/22 12:06	1
Toluene	0.000556	J	0.00200	0.000456	mg/Kg		03/28/22 16:00	03/29/22 12:06	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/28/22 16:00	03/29/22 12:06	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 16:00	03/29/22 12:06	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/28/22 16:00	03/29/22 12:06	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 16:00	03/29/22 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/28/22 16:00	03/29/22 12:06	1
1,4-Difluorobenzene (Surr)	107		70 - 130	03/28/22 16:00	03/29/22 12:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			03/29/22 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6560		249	74.8	mg/Kg			03/29/22 10:55	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-25
Date Collected: 03/24/22 14:30
Date Received: 03/25/22 15:15
Sample Depth: 2'

Lab Sample ID: 880-12903-25
Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	83.7	J	249	74.8	mg/Kg		03/28/22 14:51	03/29/22 04:40	5	
Diesel Range Organics (Over C10-C28)	6480	B	249	74.8	mg/Kg		03/28/22 14:51	03/29/22 04:40	5	
OII Range Organics (Over C28-C36)	<74.8	U	249	74.8	mg/Kg		03/28/22 14:51	03/29/22 04:40	5	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	126		70 - 130				03/28/22 14:51	03/29/22 04:40	5	
o-Terphenyl	124		70 - 130				03/28/22 14:51	03/29/22 04:40	5	

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1390		25.0	4.28	mg/Kg			04/04/22 11:56	5	

Surrogate Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
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)
880-12903-1	S-1	109	89
880-12903-1 MS	S-1	146 S1+	106
880-12903-1 MSD	S-1	111	103
880-12903-2	S-3	121	102
880-12903-3	S-2	116	101
880-12903-4	S-4	114	100
880-12903-5	S-5	120	100
880-12903-6	S-6	117	100
880-12903-7	S-7	131 S1+	93
880-12903-8	S-8	111	102
880-12903-9	S-9	160 S1+	105
880-12903-10	S-10	112	102
880-12903-11	S-11	108	98
880-12903-12	S-12	126	102
880-12903-13	S-13	112	94
880-12903-14	S-14	125	90
880-12903-15	S-15	115	98
880-12903-16	S-16	109	100
880-12903-17	S-17	150 S1+	106
880-12903-18	S-18	113	101
880-12903-19	S-19	115	89
880-12903-20	S-20	115	100
880-12903-21	S-21	95	114
880-12903-21 MS	S-21	90	115
880-12903-21 MSD	S-21	99	112
880-12903-22	S-22	114	111
880-12903-23	S-23	117	108
880-12903-24	S-24	116	109
880-12903-25	S-25	107	107
LCS 880-22452/1-A	Lab Control Sample	113	100
LCS 880-22453/1-A	Lab Control Sample	100	109
LCSD 880-22452/2-A	Lab Control Sample Dup	113	94
LCSD 880-22453/2-A	Lab Control Sample Dup	106	112
MB 880-22452/5-A	Method Blank	126	95
MB 880-22453/5-A	Method Blank	102	103
MB 880-22562/5-A	Method Blank	123	97
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)
880-12903-1	S-1	133 S1+	134 S1+
880-12903-2	S-3	114	120
880-12903-3	S-2	130	128

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Surrogate Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-12903-4	S-4	140 S1+	138 S1+
880-12903-5	S-5	130	127
880-12903-6	S-6	114	111
880-12903-7	S-7	139 S1+	140 S1+
880-12903-8	S-8	114	115
880-12903-8 MS	S-8	151 S1+	141 S1+
880-12903-8 MSD	S-8	147 S1+	138 S1+
880-12903-9	S-9	135 S1+	135 S1+
880-12903-10	S-10	105	161 S1+
880-12903-11	S-11	113	113
880-12903-12	S-12	121	128
880-12903-13	S-13	109	107
880-12903-14	S-14	117	312 S1+
880-12903-15	S-15	135 S1+	135 S1+
880-12903-16	S-16	100	131 S1+
880-12903-17	S-17	116	165 S1+
880-12903-18	S-18	116	142 S1+
880-12903-19	S-19	118	137 S1+
880-12903-20	S-20	126	262 S1+
880-12903-21	S-21	130	157 S1+
880-12903-22	S-22	103	116
880-12903-23	S-23	146 S1+	144 S1+
880-12903-24	S-24	106	117
880-12903-25	S-25	126	124
880-12913-A-1-C MS	Matrix Spike	108	108
880-12913-A-1-D MSD	Matrix Spike Duplicate	105	110
LCS 880-22510/2-A	Lab Control Sample	115	109
LCSD 880-22510/3-A	Lab Control Sample Dup	103	96
MB 880-22510/1-A	Method Blank	137 S1+	151 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-22508/2-A	Lab Control Sample	106	120
LCSD 880-22508/3-A	Lab Control Sample Dup	102	115
MB 880-22508/1-A	Method Blank	103	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-22452/5-A

Matrix: Solid

Analysis Batch: 22614

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/28/22 09:41	03/31/22 02:48	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/28/22 09:41	03/31/22 02:48	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/28/22 09:41	03/31/22 02:48	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 09:41	03/31/22 02:48	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/28/22 09:41	03/31/22 02:48	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 09:41	03/31/22 02:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	03/28/22 09:41	03/31/22 02:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/28/22 09:41	03/31/22 02:48	1

Lab Sample ID: LCS 880-22452/1-A

Matrix: Solid

Analysis Batch: 22614

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09142		mg/Kg		91	70 - 130
Toluene	0.100	0.08937		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09695		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2095		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-22452/2-A

Matrix: Solid

Analysis Batch: 22614

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22452

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08128		mg/Kg		81	70 - 130	12	35
Toluene	0.100	0.08454		mg/Kg		85	70 - 130	6	35
Ethylbenzene	0.100	0.09716		mg/Kg		97	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2123		mg/Kg		106	70 - 130	1	35
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-12903-1 MS

Matrix: Solid

Analysis Batch: 22614

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 22452

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.000469	J F2 F1	0.101	0.01329	F1	mg/Kg		13	70 - 130
Toluene	0.000936	J F2 F1	0.101	0.01138	F1	mg/Kg		10	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-12903-1 MS

Matrix: Solid

Analysis Batch: 22614

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 22452

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000562	U F2 F1	0.101	0.01028	F1	mg/Kg		10	70 - 130
m-Xylene & p-Xylene	0.00135	J F2 F1	0.201	0.02173	F1	mg/Kg		10	70 - 130
o-Xylene	0.000712	J F2 F1	0.101	0.01136	F1	mg/Kg		11	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-12903-1 MSD

Matrix: Solid

Analysis Batch: 22614

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 22452

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.000469	J F2 F1	0.0998	0.05395	F2 F1	mg/Kg		54	70 - 130	121	35
Toluene	0.000936	J F2 F1	0.0998	0.04045	F2 F1	mg/Kg		40	70 - 130	112	35
Ethylbenzene	<0.000562	U F2 F1	0.0998	0.03578	F2 F1	mg/Kg		36	70 - 130	111	35
m-Xylene & p-Xylene	0.00135	J F2 F1	0.200	0.07334	F2 F1	mg/Kg		36	70 - 130	109	35
o-Xylene	0.000712	J F2 F1	0.0998	0.03701	F2 F1	mg/Kg		36	70 - 130	106	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-22453/5-A

Matrix: Solid

Analysis Batch: 22512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/28/22 16:00	03/29/22 10:23	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/28/22 16:00	03/29/22 10:23	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/28/22 16:00	03/29/22 10:23	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 16:00	03/29/22 10:23	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/28/22 16:00	03/29/22 10:23	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/28/22 16:00	03/29/22 10:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/28/22 16:00	03/29/22 10:23	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/28/22 16:00	03/29/22 10:23	1

Lab Sample ID: LCS 880-22453/1-A

Matrix: Solid

Analysis Batch: 22512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07101		mg/Kg		71	70 - 130
Toluene	0.100	0.07170		mg/Kg		72	70 - 130
Ethylbenzene	0.100	0.07526		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	0.200	0.1529		mg/Kg		76	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-22453/1-A

Matrix: Solid

Analysis Batch: 22512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.07851		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-22453/2-A

Matrix: Solid

Analysis Batch: 22512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22453

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07568		mg/Kg		76	70 - 130	6	35
Toluene	0.100	0.07675		mg/Kg		77	70 - 130	7	35
Ethylbenzene	0.100	0.08123		mg/Kg		81	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1659		mg/Kg		83	70 - 130	8	35
o-Xylene	0.100	0.08504		mg/Kg		85	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-12903-21 MS

Matrix: Solid

Analysis Batch: 22512

Client Sample ID: S-21

Prep Type: Total/NA

Prep Batch: 22453

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000383	U F1	0.100	0.02486	F1	mg/Kg		25	70 - 130
Toluene	<0.000454	U F1	0.100	0.01159	F1	mg/Kg		12	70 - 130
Ethylbenzene	<0.000563	U F1	0.100	0.007895	F1	mg/Kg		8	70 - 130
m-Xylene & p-Xylene	<0.00101	U F2 F1	0.201	0.01579	F1	mg/Kg		8	70 - 130
o-Xylene	<0.000343	U F2 F1	0.100	0.007160	F1	mg/Kg		7	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-12903-21 MSD

Matrix: Solid

Analysis Batch: 22512

Client Sample ID: S-21

Prep Type: Total/NA

Prep Batch: 22453

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000383	U F1	0.100	0.02468	F1	mg/Kg		25	70 - 130	1	35
Toluene	<0.000454	U F1	0.100	0.01356	F1	mg/Kg		14	70 - 130	16	35
Ethylbenzene	<0.000563	U F1	0.100	0.006366	F1	mg/Kg		6	70 - 130	21	35
m-Xylene & p-Xylene	<0.00101	U F2 F1	0.200	0.01005	F2 F1	mg/Kg		5	70 - 130	44	35
o-Xylene	<0.000343	U F2 F1	0.100	0.004232	F2 F1	mg/Kg		4	70 - 130	51	35

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QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-12903-21 MSD

Matrix: Solid

Analysis Batch: 22512

Client Sample ID: S-21

Prep Type: Total/NA

Prep Batch: 22453

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-22562/5-A

Matrix: Solid

Analysis Batch: 22614

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22562

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/29/22 11:58	03/30/22 15:48	1	
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/29/22 11:58	03/30/22 15:48	1	
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/29/22 11:58	03/30/22 15:48	1	
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/29/22 11:58	03/30/22 15:48	1	
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/29/22 11:58	03/30/22 15:48	1	
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/29/22 11:58	03/30/22 15:48	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	123		70 - 130				03/29/22 11:58	03/30/22 15:48	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				03/29/22 11:58	03/30/22 15:48	1	

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

Lab Sample ID: MB 880-22508/1-A

Matrix: Solid

Analysis Batch: 22434

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22508

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 20:48	1	
Diesel Range Organics (Over C10-C28)	23.03	J	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 20:48	1	
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/28/22 14:51	03/28/22 20:48	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130				03/28/22 14:51	03/28/22 20:48	1	
o-Terphenyl	117		70 - 130				03/28/22 14:51	03/28/22 20:48	1	

Lab Sample ID: LCS 880-22508/2-A

Matrix: Solid

Analysis Batch: 22434

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22508

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	894.8		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	967.5		mg/Kg		97	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	106		70 - 130							
o-Terphenyl	120		70 - 130							

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QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-22508/3-A

Matrix: Solid

Analysis Batch: 22434

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22508

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	849.1		mg/Kg		85	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	919.3		mg/Kg		92	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: 880-12913-A-1-C MS

Matrix: Solid

Analysis Batch: 22434

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 22508

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	27.1	J	998	872.2		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	37.5	J B F1	998	724.4	F1	mg/Kg		69	70 - 130		

Lab Sample ID: 880-12913-A-1-D MSD

Matrix: Solid

Analysis Batch: 22434

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 22508

	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	27.1	J	995	848.7		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	37.5	J B F1	995	722.3	F1	mg/Kg		69	70 - 130	0	20
											</

Lab Sample ID: MB 880-22510/1-A

Matrix: Solid

Analysis Batch: 22518

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/28/22 15:01	03/29/22 21:27	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/28/22 15:01	03/29/22 21:27	1
Oil Range Organics (Over C28-C36)	24.47	J	50.0	15.0	mg/Kg		03/28/22 15:01	03/29/22 21:27	1

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QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-22510/1-A

Matrix: Solid

Analysis Batch: 22518

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22510

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	03/28/22 15:01	03/29/22 21:27	1
o-Terphenyl	151	S1+	70 - 130	03/28/22 15:01	03/29/22 21:27	1

Lab Sample ID: LCS 880-22510/2-A

Matrix: Solid

Analysis Batch: 22518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22510

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	928.8		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1024		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-22510/3-A

Matrix: Solid

Analysis Batch: 22518

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22510

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	880.7		mg/Kg		88	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	942.1		mg/Kg		94	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-12903-8 MS

Matrix: Solid

Analysis Batch: 22518

Client Sample ID: S-8

Prep Type: Total/NA

Prep Batch: 22510

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	998	995.4		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	703	F1	998	2083	F1	mg/Kg		138	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	151	S1+	70 - 130
o-Terphenyl	141	S1+	70 - 130

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-12903-8 MSD

Matrix: Solid

Analysis Batch: 22518

Client Sample ID: S-8

Prep Type: Total/NA

Prep Batch: 22510

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	<15.0	U	999	1018		mg/Kg		102	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	703	F1	999	2051	F1	mg/Kg		135	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	147	S1+	70 - 130								
o-Terphenyl	138	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-22796/1-A

Matrix: Solid

Analysis Batch: 22916

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			04/04/22 09:53	1

Lab Sample ID: LCS 880-22796/2-A

Matrix: Solid

Analysis Batch: 22916

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-22796/3-A

Matrix: Solid

Analysis Batch: 22916

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	236.3		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-12903-1 MS

Matrix: Solid

Analysis Batch: 22916

Client Sample ID: S-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	58.1		1250	1287		mg/Kg		99	90 - 110

Lab Sample ID: 880-12903-1 MSD

Matrix: Solid

Analysis Batch: 22916

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	58.1		1250	1307		mg/Kg		100	90 - 110	2	20

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-12903-11 MS

Matrix: Solid

Analysis Batch: 22916

Client Sample ID: S-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	155		1250	1372		mg/Kg		98	90 - 110

Lab Sample ID: 880-12903-11 MSD

Matrix: Solid

Analysis Batch: 22916

Client Sample ID: S-11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	155		1250	1386		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-22797/1-A

Matrix: Solid

Analysis Batch: 22917

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			04/04/22 10:37	1

Lab Sample ID: LCS 880-22797/2-A

Matrix: Solid

Analysis Batch: 22917

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-22797/3-A

Matrix: Solid

Analysis Batch: 22917

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-12903-21 MS

Matrix: Solid

Analysis Batch: 22917

Client Sample ID: S-21

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1170	F1	1240	2529		mg/Kg		110	90 - 110

Lab Sample ID: 880-12903-21 MSD

Matrix: Solid

Analysis Batch: 22917

Client Sample ID: S-21

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1170	F1	1240	2569	F1	mg/Kg		113	90 - 110	2	20

Lab Sample ID: MB 880-23078/1-A

Matrix: Solid

Analysis Batch: 23079

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			04/06/22 12:21	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-23078/2-A						Client Sample ID: Lab Control Sample					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 23079											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	252.6		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-23078/3-A						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 23079											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	253.1		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-13394-A-1-C MS						Client Sample ID: Matrix Spike					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 23079											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	204		249	450.9		mg/Kg		99	90 - 110		

Lab Sample ID: 880-13394-A-1-D MSD						Client Sample ID: Matrix Spike Duplicate					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 23079											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	204		249	449.9		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 22452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-1	S-1	Total/NA	Solid	5035	
880-12903-2	S-3	Total/NA	Solid	5035	
880-12903-3	S-2	Total/NA	Solid	5035	
880-12903-4	S-4	Total/NA	Solid	5035	
880-12903-5	S-5	Total/NA	Solid	5035	
880-12903-6	S-6	Total/NA	Solid	5035	
880-12903-7	S-7	Total/NA	Solid	5035	
880-12903-8	S-8	Total/NA	Solid	5035	
880-12903-9	S-9	Total/NA	Solid	5035	
880-12903-10	S-10	Total/NA	Solid	5035	
880-12903-11	S-11	Total/NA	Solid	5035	
880-12903-12	S-12	Total/NA	Solid	5035	
880-12903-13	S-13	Total/NA	Solid	5035	
880-12903-14	S-14	Total/NA	Solid	5035	
880-12903-15	S-15	Total/NA	Solid	5035	
880-12903-16	S-16	Total/NA	Solid	5035	
880-12903-17	S-17	Total/NA	Solid	5035	
880-12903-18	S-18	Total/NA	Solid	5035	
880-12903-19	S-19	Total/NA	Solid	5035	
880-12903-20	S-20	Total/NA	Solid	5035	
MB 880-22452/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-22452/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-22452/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12903-1 MS	S-1	Total/NA	Solid	5035	
880-12903-1 MSD	S-1	Total/NA	Solid	5035	

Prep Batch: 22453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-21	S-21	Total/NA	Solid	5035	
880-12903-22	S-22	Total/NA	Solid	5035	
880-12903-23	S-23	Total/NA	Solid	5035	
880-12903-24	S-24	Total/NA	Solid	5035	
880-12903-25	S-25	Total/NA	Solid	5035	
MB 880-22453/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-22453/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-22453/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12903-21 MS	S-21	Total/NA	Solid	5035	
880-12903-21 MSD	S-21	Total/NA	Solid	5035	

Analysis Batch: 22512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-21	S-21	Total/NA	Solid	8021B	22453
880-12903-22	S-22	Total/NA	Solid	8021B	22453
880-12903-23	S-23	Total/NA	Solid	8021B	22453
880-12903-24	S-24	Total/NA	Solid	8021B	22453
880-12903-25	S-25	Total/NA	Solid	8021B	22453
MB 880-22453/5-A	Method Blank	Total/NA	Solid	8021B	22453
LCS 880-22453/1-A	Lab Control Sample	Total/NA	Solid	8021B	22453
LCSD 880-22453/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	22453
880-12903-21 MS	S-21	Total/NA	Solid	8021B	22453
880-12903-21 MSD	S-21	Total/NA	Solid	8021B	22453

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 22562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-22562/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 22578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-1	S-1	Total/NA	Solid	Total BTEX	
880-12903-2	S-3	Total/NA	Solid	Total BTEX	
880-12903-3	S-2	Total/NA	Solid	Total BTEX	
880-12903-4	S-4	Total/NA	Solid	Total BTEX	
880-12903-5	S-5	Total/NA	Solid	Total BTEX	
880-12903-6	S-6	Total/NA	Solid	Total BTEX	
880-12903-7	S-7	Total/NA	Solid	Total BTEX	
880-12903-8	S-8	Total/NA	Solid	Total BTEX	
880-12903-9	S-9	Total/NA	Solid	Total BTEX	
880-12903-10	S-10	Total/NA	Solid	Total BTEX	
880-12903-11	S-11	Total/NA	Solid	Total BTEX	
880-12903-12	S-12	Total/NA	Solid	Total BTEX	
880-12903-13	S-13	Total/NA	Solid	Total BTEX	
880-12903-14	S-14	Total/NA	Solid	Total BTEX	
880-12903-15	S-15	Total/NA	Solid	Total BTEX	
880-12903-16	S-16	Total/NA	Solid	Total BTEX	
880-12903-17	S-17	Total/NA	Solid	Total BTEX	
880-12903-18	S-18	Total/NA	Solid	Total BTEX	
880-12903-19	S-19	Total/NA	Solid	Total BTEX	
880-12903-20	S-20	Total/NA	Solid	Total BTEX	
880-12903-21	S-21	Total/NA	Solid	Total BTEX	
880-12903-22	S-22	Total/NA	Solid	Total BTEX	
880-12903-23	S-23	Total/NA	Solid	Total BTEX	
880-12903-24	S-24	Total/NA	Solid	Total BTEX	
880-12903-25	S-25	Total/NA	Solid	Total BTEX	

Analysis Batch: 22614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-1	S-1	Total/NA	Solid	8021B	22452
880-12903-2	S-3	Total/NA	Solid	8021B	22452
880-12903-3	S-2	Total/NA	Solid	8021B	22452
880-12903-4	S-4	Total/NA	Solid	8021B	22452
880-12903-5	S-5	Total/NA	Solid	8021B	22452
880-12903-6	S-6	Total/NA	Solid	8021B	22452
880-12903-7	S-7	Total/NA	Solid	8021B	22452
880-12903-8	S-8	Total/NA	Solid	8021B	22452
880-12903-9	S-9	Total/NA	Solid	8021B	22452
880-12903-10	S-10	Total/NA	Solid	8021B	22452
880-12903-11	S-11	Total/NA	Solid	8021B	22452
880-12903-12	S-12	Total/NA	Solid	8021B	22452
880-12903-13	S-13	Total/NA	Solid	8021B	22452
880-12903-14	S-14	Total/NA	Solid	8021B	22452
880-12903-15	S-15	Total/NA	Solid	8021B	22452
880-12903-16	S-16	Total/NA	Solid	8021B	22452
880-12903-17	S-17	Total/NA	Solid	8021B	22452
880-12903-18	S-18	Total/NA	Solid	8021B	22452
880-12903-19	S-19	Total/NA	Solid	8021B	22452

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 22614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-20	S-20	Total/NA	Solid	8021B	22452
MB 880-22452/5-A	Method Blank	Total/NA	Solid	8021B	22452
MB 880-22562/5-A	Method Blank	Total/NA	Solid	8021B	22562
LCS 880-22452/1-A	Lab Control Sample	Total/NA	Solid	8021B	22452
LCSD 880-22452/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	22452
880-12903-1 MS	S-1	Total/NA	Solid	8021B	22452
880-12903-1 MSD	S-1	Total/NA	Solid	8021B	22452

GC Semi VOA

Analysis Batch: 22434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-21	S-21	Total/NA	Solid	8015B NM	22508
880-12903-22	S-22	Total/NA	Solid	8015B NM	22508
880-12903-23	S-23	Total/NA	Solid	8015B NM	22508
880-12903-24	S-24	Total/NA	Solid	8015B NM	22508
880-12903-25	S-25	Total/NA	Solid	8015B NM	22508
MB 880-22508/1-A	Method Blank	Total/NA	Solid	8015B NM	22508
LCS 880-22508/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22508
LCSD 880-22508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22508
880-12913-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	22508
880-12913-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	22508

Prep Batch: 22508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-21	S-21	Total/NA	Solid	8015NM Prep	
880-12903-22	S-22	Total/NA	Solid	8015NM Prep	
880-12903-23	S-23	Total/NA	Solid	8015NM Prep	
880-12903-24	S-24	Total/NA	Solid	8015NM Prep	
880-12903-25	S-25	Total/NA	Solid	8015NM Prep	
MB 880-22508/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22508/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12913-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12913-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 22510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-1	S-1	Total/NA	Solid	8015NM Prep	
880-12903-2	S-3	Total/NA	Solid	8015NM Prep	
880-12903-3	S-2	Total/NA	Solid	8015NM Prep	
880-12903-4	S-4	Total/NA	Solid	8015NM Prep	
880-12903-5	S-5	Total/NA	Solid	8015NM Prep	
880-12903-6	S-6	Total/NA	Solid	8015NM Prep	
880-12903-7	S-7	Total/NA	Solid	8015NM Prep	
880-12903-8	S-8	Total/NA	Solid	8015NM Prep	
880-12903-9	S-9	Total/NA	Solid	8015NM Prep	
880-12903-10	S-10	Total/NA	Solid	8015NM Prep	
880-12903-11	S-11	Total/NA	Solid	8015NM Prep	
880-12903-12	S-12	Total/NA	Solid	8015NM Prep	
880-12903-13	S-13	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 22510 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-14	S-14	Total/NA	Solid	8015NM Prep	
880-12903-15	S-15	Total/NA	Solid	8015NM Prep	
880-12903-16	S-16	Total/NA	Solid	8015NM Prep	
880-12903-17	S-17	Total/NA	Solid	8015NM Prep	
880-12903-18	S-18	Total/NA	Solid	8015NM Prep	
880-12903-19	S-19	Total/NA	Solid	8015NM Prep	
880-12903-20	S-20	Total/NA	Solid	8015NM Prep	
MB 880-22510/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22510/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22510/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12903-8 MS	S-8	Total/NA	Solid	8015NM Prep	
880-12903-8 MSD	S-8	Total/NA	Solid	8015NM Prep	

Analysis Batch: 22518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-1	S-1	Total/NA	Solid	8015B NM	22510
880-12903-2	S-3	Total/NA	Solid	8015B NM	22510
880-12903-3	S-2	Total/NA	Solid	8015B NM	22510
880-12903-4	S-4	Total/NA	Solid	8015B NM	22510
880-12903-5	S-5	Total/NA	Solid	8015B NM	22510
880-12903-6	S-6	Total/NA	Solid	8015B NM	22510
880-12903-7	S-7	Total/NA	Solid	8015B NM	22510
880-12903-8	S-8	Total/NA	Solid	8015B NM	22510
880-12903-9	S-9	Total/NA	Solid	8015B NM	22510
880-12903-10	S-10	Total/NA	Solid	8015B NM	22510
880-12903-11	S-11	Total/NA	Solid	8015B NM	22510
880-12903-12	S-12	Total/NA	Solid	8015B NM	22510
880-12903-13	S-13	Total/NA	Solid	8015B NM	22510
880-12903-14	S-14	Total/NA	Solid	8015B NM	22510
880-12903-15	S-15	Total/NA	Solid	8015B NM	22510
880-12903-16	S-16	Total/NA	Solid	8015B NM	22510
880-12903-17	S-17	Total/NA	Solid	8015B NM	22510
880-12903-18	S-18	Total/NA	Solid	8015B NM	22510
880-12903-19	S-19	Total/NA	Solid	8015B NM	22510
880-12903-20	S-20	Total/NA	Solid	8015B NM	22510
MB 880-22510/1-A	Method Blank	Total/NA	Solid	8015B NM	22510
LCS 880-22510/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22510
LCSD 880-22510/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22510
880-12903-8 MS	S-8	Total/NA	Solid	8015B NM	22510
880-12903-8 MSD	S-8	Total/NA	Solid	8015B NM	22510

Analysis Batch: 22547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-1	S-1	Total/NA	Solid	8015 NM	
880-12903-2	S-3	Total/NA	Solid	8015 NM	
880-12903-3	S-2	Total/NA	Solid	8015 NM	
880-12903-4	S-4	Total/NA	Solid	8015 NM	
880-12903-5	S-5	Total/NA	Solid	8015 NM	
880-12903-6	S-6	Total/NA	Solid	8015 NM	
880-12903-7	S-7	Total/NA	Solid	8015 NM	
880-12903-8	S-8	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 22547 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-9	S-9	Total/NA	Solid	8015 NM	
880-12903-10	S-10	Total/NA	Solid	8015 NM	
880-12903-11	S-11	Total/NA	Solid	8015 NM	
880-12903-12	S-12	Total/NA	Solid	8015 NM	
880-12903-13	S-13	Total/NA	Solid	8015 NM	
880-12903-14	S-14	Total/NA	Solid	8015 NM	
880-12903-15	S-15	Total/NA	Solid	8015 NM	
880-12903-16	S-16	Total/NA	Solid	8015 NM	
880-12903-17	S-17	Total/NA	Solid	8015 NM	
880-12903-18	S-18	Total/NA	Solid	8015 NM	
880-12903-19	S-19	Total/NA	Solid	8015 NM	
880-12903-20	S-20	Total/NA	Solid	8015 NM	
880-12903-21	S-21	Total/NA	Solid	8015 NM	
880-12903-22	S-22	Total/NA	Solid	8015 NM	
880-12903-23	S-23	Total/NA	Solid	8015 NM	
880-12903-24	S-24	Total/NA	Solid	8015 NM	
880-12903-25	S-25	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 22796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-1	S-1	Soluble	Solid	DI Leach	
880-12903-2	S-3	Soluble	Solid	DI Leach	
880-12903-3	S-2	Soluble	Solid	DI Leach	
880-12903-4	S-4	Soluble	Solid	DI Leach	
880-12903-6	S-6	Soluble	Solid	DI Leach	
880-12903-7	S-7	Soluble	Solid	DI Leach	
880-12903-8	S-8	Soluble	Solid	DI Leach	
880-12903-9	S-9	Soluble	Solid	DI Leach	
880-12903-10	S-10	Soluble	Solid	DI Leach	
880-12903-11	S-11	Soluble	Solid	DI Leach	
880-12903-12	S-12	Soluble	Solid	DI Leach	
880-12903-14	S-14	Soluble	Solid	DI Leach	
880-12903-15	S-15	Soluble	Solid	DI Leach	
880-12903-16	S-16	Soluble	Solid	DI Leach	
880-12903-17	S-17	Soluble	Solid	DI Leach	
880-12903-18	S-18	Soluble	Solid	DI Leach	
880-12903-19	S-19	Soluble	Solid	DI Leach	
880-12903-20	S-20	Soluble	Solid	DI Leach	
MB 880-22796/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22796/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22796/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12903-1 MS	S-1	Soluble	Solid	DI Leach	
880-12903-1 MSD	S-1	Soluble	Solid	DI Leach	
880-12903-11 MS	S-11	Soluble	Solid	DI Leach	
880-12903-11 MSD	S-11	Soluble	Solid	DI Leach	

Leach Batch: 22797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-21	S-21	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 22797 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-22	S-22	Soluble	Solid	DI Leach	
880-12903-23	S-23	Soluble	Solid	DI Leach	
880-12903-24	S-24	Soluble	Solid	DI Leach	
880-12903-25	S-25	Soluble	Solid	DI Leach	
MB 880-22797/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22797/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22797/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12903-21 MS	S-21	Soluble	Solid	DI Leach	
880-12903-21 MSD	S-21	Soluble	Solid	DI Leach	

Analysis Batch: 22916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-1	S-1	Soluble	Solid	300.0	22796
880-12903-2	S-3	Soluble	Solid	300.0	22796
880-12903-3	S-2	Soluble	Solid	300.0	22796
880-12903-4	S-4	Soluble	Solid	300.0	22796
880-12903-6	S-6	Soluble	Solid	300.0	22796
880-12903-7	S-7	Soluble	Solid	300.0	22796
880-12903-8	S-8	Soluble	Solid	300.0	22796
880-12903-9	S-9	Soluble	Solid	300.0	22796
880-12903-10	S-10	Soluble	Solid	300.0	22796
880-12903-11	S-11	Soluble	Solid	300.0	22796
880-12903-12	S-12	Soluble	Solid	300.0	22796
880-12903-14	S-14	Soluble	Solid	300.0	22796
880-12903-15	S-15	Soluble	Solid	300.0	22796
880-12903-16	S-16	Soluble	Solid	300.0	22796
880-12903-17	S-17	Soluble	Solid	300.0	22796
880-12903-18	S-18	Soluble	Solid	300.0	22796
880-12903-19	S-19	Soluble	Solid	300.0	22796
880-12903-20	S-20	Soluble	Solid	300.0	22796
MB 880-22796/1-A	Method Blank	Soluble	Solid	300.0	22796
LCS 880-22796/2-A	Lab Control Sample	Soluble	Solid	300.0	22796
LCSD 880-22796/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22796
880-12903-1 MS	S-1	Soluble	Solid	300.0	22796
880-12903-1 MSD	S-1	Soluble	Solid	300.0	22796
880-12903-11 MS	S-11	Soluble	Solid	300.0	22796
880-12903-11 MSD	S-11	Soluble	Solid	300.0	22796

Analysis Batch: 22917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-21	S-21	Soluble	Solid	300.0	22797
880-12903-22	S-22	Soluble	Solid	300.0	22797
880-12903-23	S-23	Soluble	Solid	300.0	22797
880-12903-24	S-24	Soluble	Solid	300.0	22797
880-12903-25	S-25	Soluble	Solid	300.0	22797
MB 880-22797/1-A	Method Blank	Soluble	Solid	300.0	22797
LCS 880-22797/2-A	Lab Control Sample	Soluble	Solid	300.0	22797
LCSD 880-22797/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22797
880-12903-21 MS	S-21	Soluble	Solid	300.0	22797
880-12903-21 MSD	S-21	Soluble	Solid	300.0	22797

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 23078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-5	S-5	Soluble	Solid	DI Leach	
880-12903-13	S-13	Soluble	Solid	DI Leach	
MB 880-23078/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23078/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23078/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-13394-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-13394-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 23079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12903-5	S-5	Soluble	Solid	300.0	23078
880-12903-13	S-13	Soluble	Solid	300.0	23078
MB 880-23078/1-A	Method Blank	Soluble	Solid	300.0	23078
LCS 880-23078/2-A	Lab Control Sample	Soluble	Solid	300.0	23078
LCSD 880-23078/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23078
880-13394-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	23078
880-13394-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	23078

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-1

Lab Sample ID: 880-12903-1

Date Collected: 03/24/22 12:30

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 03:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/29/22 23:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 10:10	CH	XEN MID

Client Sample ID: S-3

Lab Sample ID: 880-12903-2

Date Collected: 03/24/22 12:35

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 03:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/29/22 23:55	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 10:28	CH	XEN MID

Client Sample ID: S-2

Lab Sample ID: 880-12903-3

Date Collected: 03/24/22 12:40

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 03:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 00:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 10:34	CH	XEN MID

Client Sample ID: S-4

Lab Sample ID: 880-12903-4

Date Collected: 03/24/22 12:45

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 04:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-4

Lab Sample ID: 880-12903-4

Date Collected: 03/24/22 12:45

Matrix: Solid

Date Received: 03/25/22 15:15

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			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 00:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		1			22916	04/04/22 10:40	CH	XEN MID

Client Sample ID: S-5

Lab Sample ID: 880-12903-5

Date Collected: 03/24/22 12:50

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 04:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 00:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23078	04/06/22 13:02	SC	XEN MID
Soluble	Analysis	300.0		1			23079	04/07/22 00:35	SC	XEN MID

Client Sample ID: S-6

Lab Sample ID: 880-12903-6

Date Collected: 03/24/22 12:55

Matrix: Solid

Date Received: 03/25/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 04:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 01:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		1			22916	04/04/22 11:03	CH	XEN MID

Client Sample ID: S-7

Lab Sample ID: 880-12903-7

Date Collected: 03/24/22 13:00

Matrix: Solid

Date Received: 03/25/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 05:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 01:39	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-7

Lab Sample ID: 880-12903-7

Date Collected: 03/24/22 13:00

Matrix: Solid

Date Received: 03/25/22 15:15

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	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 11:09	CH	XEN MID

Client Sample ID: S-8

Lab Sample ID: 880-12903-8

Date Collected: 03/24/22 13:05

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 05:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/29/22 22:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 11:15	CH	XEN MID

Client Sample ID: S-9

Lab Sample ID: 880-12903-9

Date Collected: 03/24/22 13:10

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 05:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 01:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 11:21	CH	XEN MID

Client Sample ID: S-10

Lab Sample ID: 880-12903-10

Date Collected: 03/24/22 13:15

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 06:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22518	03/30/22 02:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		10			22916	04/04/22 11:27	CH	XEN MID

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Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-11

Lab Sample ID: 880-12903-11

Date Collected: 03/24/22 13:20

Matrix: Solid

Date Received: 03/25/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 07:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 03:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 11:33	CH	XEN MID

Client Sample ID: S-12

Lab Sample ID: 880-12903-12

Date Collected: 03/24/22 13:25

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 07:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 03:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		10			22916	04/04/22 11:50	CH	XEN MID

Client Sample ID: S-13

Lab Sample ID: 880-12903-13

Date Collected: 03/24/22 13:30

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 08:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 03:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23078	04/06/22 13:02	SC	XEN MID
Soluble	Analysis	300.0		1			23079	04/07/22 00:44	SC	XEN MID

Client Sample ID: S-14

Lab Sample ID: 880-12903-14

Date Collected: 03/24/22 13:35

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 08:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-14

Lab Sample ID: 880-12903-14

Date Collected: 03/24/22 13:35

Matrix: Solid

Date Received: 03/25/22 15:15

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			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22518	03/30/22 04:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 12:14	CH	XEN MID

Client Sample ID: S-15

Lab Sample ID: 880-12903-15

Date Collected: 03/24/22 13:40

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 09:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22518	03/30/22 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		1			22916	04/04/22 12:19	CH	XEN MID

Client Sample ID: S-16

Lab Sample ID: 880-12903-16

Date Collected: 03/24/22 13:45

Matrix: Solid

Date Received: 03/25/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 09:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22518	03/30/22 07:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		10			22916	04/04/22 12:25	CH	XEN MID

Client Sample ID: S-17

Lab Sample ID: 880-12903-17

Date Collected: 03/24/22 13:50

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 09:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22518	03/30/22 05:03	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-17

Lab Sample ID: 880-12903-17

Date Collected: 03/24/22 13:50

Matrix: Solid

Date Received: 03/25/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 12:31	CH	XEN MID

Client Sample ID: S-18

Lab Sample ID: 880-12903-18

Date Collected: 03/24/22 13:55

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 10:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22518	03/30/22 05:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 12:37	CH	XEN MID

Client Sample ID: S-19

Lab Sample ID: 880-12903-19

Date Collected: 03/24/22 14:00

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 10:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22518	03/30/22 05:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		5			22916	04/04/22 12:43	CH	XEN MID

Client Sample ID: S-20

Lab Sample ID: 880-12903-20

Date Collected: 03/24/22 14:05

Matrix: Solid

Date Received: 03/25/22 15:15

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	22452	03/28/22 09:41	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22614	03/31/22 10:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22510	03/28/22 15:01	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22518	03/30/22 06:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	22796	04/01/22 11:48	CH	XEN MID
Soluble	Analysis	300.0		10			22916	04/04/22 12:49	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-21

Lab Sample ID: 880-12903-21

Date Collected: 03/24/22 14:10

Matrix: Solid

Date Received: 03/25/22 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	22453	03/28/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22512	03/29/22 10:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22434	03/29/22 03:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	22797	04/01/22 11:51	CH	XEN MID
Soluble	Analysis	300.0		5			22917	04/04/22 11:03	SC	XEN MID

Client Sample ID: S-22

Lab Sample ID: 880-12903-22

Date Collected: 03/24/22 14:15

Matrix: Solid

Date Received: 03/25/22 15:15

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	22453	03/28/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22512	03/29/22 11:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22434	03/29/22 07:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	22797	04/01/22 11:51	CH	XEN MID
Soluble	Analysis	300.0		10			22917	04/04/22 11:30	SC	XEN MID

Client Sample ID: S-23

Lab Sample ID: 880-12903-23

Date Collected: 03/24/22 14:20

Matrix: Solid

Date Received: 03/25/22 15:15

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	22453	03/28/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22512	03/29/22 11:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22434	03/29/22 04:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22797	04/01/22 11:51	CH	XEN MID
Soluble	Analysis	300.0		10			22917	04/04/22 11:38	SC	XEN MID

Client Sample ID: S-24

Lab Sample ID: 880-12903-24

Date Collected: 03/24/22 14:25

Matrix: Solid

Date Received: 03/25/22 15:15

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	22453	03/28/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22512	03/29/22 11:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Client Sample ID: S-24

Lab Sample ID: 880-12903-24

Date Collected: 03/24/22 14:25

Matrix: Solid

Date Received: 03/25/22 15:15

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			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		1			22434	03/29/22 08:02	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	22797	04/01/22 11:51	CH	XEN MID
Soluble	Analysis	300.0		10			22917	04/04/22 11:47	SC	XEN MID

Client Sample ID: S-25

Lab Sample ID: 880-12903-25

Date Collected: 03/24/22 14:30

Matrix: Solid

Date Received: 03/25/22 15:15

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	22453	03/28/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22512	03/29/22 12:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22578	03/29/22 14:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22547	03/29/22 10:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22508	03/28/22 14:51	AM	XEN MID
Total/NA	Analysis	8015B NM		5			22434	03/29/22 04:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	22797	04/01/22 11:51	CH	XEN MID
Soluble	Analysis	300.0		5			22917	04/04/22 11:56	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
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	T104704400-21-22	06-30-22

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 C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- 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:

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

Sample Summary

Client: Crain Environmental
Project/Site: State C AC #1 (North)

Job ID: 880-12903-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12903-1	S-1	Solid	03/24/22 12:30	03/25/22 15:15	2'
880-12903-2	S-3	Solid	03/24/22 12:35	03/25/22 15:15	2'
880-12903-3	S-2	Solid	03/24/22 12:40	03/25/22 15:15	2'
880-12903-4	S-4	Solid	03/24/22 12:45	03/25/22 15:15	2'
880-12903-5	S-5	Solid	03/24/22 12:50	03/25/22 15:15	2'
880-12903-6	S-6	Solid	03/24/22 12:55	03/25/22 15:15	2'
880-12903-7	S-7	Solid	03/24/22 13:00	03/25/22 15:15	2'
880-12903-8	S-8	Solid	03/24/22 13:05	03/25/22 15:15	2'
880-12903-9	S-9	Solid	03/24/22 13:10	03/25/22 15:15	2'
880-12903-10	S-10	Solid	03/24/22 13:15	03/25/22 15:15	2'
880-12903-11	S-11	Solid	03/24/22 13:20	03/25/22 15:15	2'
880-12903-12	S-12	Solid	03/24/22 13:25	03/25/22 15:15	2'
880-12903-13	S-13	Solid	03/24/22 13:30	03/25/22 15:15	2'
880-12903-14	S-14	Solid	03/24/22 13:35	03/25/22 15:15	2'
880-12903-15	S-15	Solid	03/24/22 13:40	03/25/22 15:15	2'
880-12903-16	S-16	Solid	03/24/22 13:45	03/25/22 15:15	2'
880-12903-17	S-17	Solid	03/24/22 13:50	03/25/22 15:15	2'
880-12903-18	S-18	Solid	03/24/22 13:55	03/25/22 15:15	2'
880-12903-19	S-19	Solid	03/24/22 14:00	03/25/22 15:15	2'
880-12903-20	S-20	Solid	03/24/22 14:05	03/25/22 15:15	4.5'
880-12903-21	S-21	Solid	03/24/22 14:10	03/25/22 15:15	2'
880-12903-22	S-22	Solid	03/24/22 14:15	03/25/22 15:15	2'
880-12903-23	S-23	Solid	03/24/22 14:20	03/25/22 15:15	2'
880-12903-24	S-24	Solid	03/24/22 14:25	03/25/22 15:15	2'
880-12903-25	S-25	Solid	03/24/22 14:30	03/25/22 15:15	2'



Environment Testing Xenco

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

Chain of Custody

Work



880-12903 Chain of Custody

www.xenco.com Page

Project Manager:	Linda Cain	Bill to: (if different)	Nicole Lacrowell
Company Name:	Crain Environmental	Company Name:	BXP
Address:	2925 E. 17th St.	Address:	11757 Katy Freeway Ste. 475
City, State ZIP:	Odeessa, TX 79761	City, State ZIP:	Houston, TX 77079
Phone:	(575) 441-7244	Email:	Linda.Crain@gmail.com

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

Project Name:	State C AC #1 (North)	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:		Due Date:			
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Linda Cain				
PO #					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH	BOD	Chl																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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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 / 2451 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Linda Cain</i>	<i>[Signature]</i>	3/28/22			



Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3354
El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No:

www.xenco.com Page 2 of 3

Project Manager	Cindy Train	Bill to: (if different)	Nicole Cornwell
Company Name:	Brain Environmental	Company Name:	EXP
Address:	2925 E. 17th St.	Address:	11757 Katy Fwy., Ste. 475
City, State Zip:	00855a, TX 79761	City, State Zip:	Houston, TX 77079
Phone	(575) 441-7244	Email:	Cindy.Train@gmail.com

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

Project Name:						<i>State CAC 91 / North</i>					
Project Number:						Tum Around ☒ Routine ☐ Rush					
Project Location:						Due Date:					
Sample's Name:						TAT starts the day received by the lab, if received by 4:30pm					
P.O. #											
SAMPLE RECEIPT											
Samples Received Intact:						Temp Blank:		Yes		No	
						Yes		No			
Cooler Custody Seals:						Thermometer ID:					
						Yes		No			
Sample Custody Seals:						Correction Factor:					
						Yes		No			
Total Containers:						Temperature Reading:					
						Corrected Temperature:					
Parameters											
Pres. Code											
ANALYSIS REQUEST											
Preservative Codes											
None NO DI Water H ₂ O											
Cool Cool MeOH Me											
HCL HC HNO ₃ HN											
H ₂ SO ₄ H ₂ NaOH Na											
H ₃ PO ₄ HP											
NaHSO ₄ NABIS											
Na ₂ S ₂ O ₃ NASO ₃											
Zn Acetate+NaOH Zn											
NaOH+Ascorbic Acid SAPC											

[illegible]

Circle Method(s) and Metal(s) to be analyzed	2008/6020:	2007/6010	Total
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			
TCCLP / SPLP 6010			
8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U			
			Hq 1631 / 2451 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Carly Lewis</i>	<i>[Signature]</i>		2		
3			4		
5			6		



**Lawrence
Xerox**

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager	Lindy Cain	Bill to: (if different)	Nicole Cornwell
Company Name:	Lean Environmental	Company Name:	BXP
Address:	2925 E. 17th St.	Address:	11757 Katy Fwy., Ste. 475
City, State ZIP:	29554, TX 79161	City, State ZIP:	Houston, TX 77079
Phone	(575) 441-7244	Email	Lindy.Cain@gmail.com

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

[illegible][illegible]

Total 2007/6010	2008/6020:	
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
TCIP/SPLD 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
1 		2			
3		4			
5		6			

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-12903-1

SDG Number: Lea Co, NM

Login Number: 12903

List Number: 1

Creator: Teel, Brianna

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

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-21192-1

Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: State C AC 1 #1

For:

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

Attn: Cindy Crain

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

11/14/2022 2:12:48 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



Have a Question?



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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

Client: Crain Environmental
Project/Site: State C AC 1 #1

Laboratory Job ID: 880-21192-1
SDG: Lea County NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low 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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Job ID: 880-21192-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-21192-1
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Receipt

The samples were received on 11/4/2022 4:47 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-26 (880-21192-1), S-27 (880-21192-2), S-28 (880-21192-3), S-29 (880-21192-4), S-30 (880-21192-5), S-31 (880-21192-6), S-32 (880-21192-7), S-33 (880-21192-8), S-34 (880-21192-9), S-35 (880-21192-10), S-36 (880-21192-11), S-37 (880-21192-12) and S-38 (880-21192-13).

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-38926 and analytical batch 880-39161 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-27 (880-21192-2), S-28 (880-21192-3), S-35 (880-21192-10) and (MB 880-38926/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-26

Lab Sample ID: 880-21192-1

Date Collected: 11/03/22 11:30

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	92		50.0	15.0	mg/Kg			11/14/22 15:02	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	35.6	J	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 22:49	1
Diesel Range Organics (Over C10-C28)	56.4	*-	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 22:49	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				11/07/22 16:57	11/10/22 22:49	1
o-Terphenyl	113		70 - 130				11/07/22 16:57	11/10/22 22:49	1

Client Sample ID: S-27

Lab Sample ID: 880-21192-2

Date Collected: 11/03/22 11:35

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	93.7		49.8	14.9	mg/Kg			11/14/22 15:02	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	38.6	J	49.8	14.9	mg/Kg		11/07/22 16:57	11/10/22 23:09	1
Diesel Range Organics (Over C10-C28)	55.1	*-	49.8	14.9	mg/Kg		11/07/22 16:57	11/10/22 23:09	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		11/07/22 16:57	11/10/22 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				11/07/22 16:57	11/10/22 23:09	1
o-Terphenyl	133	S1+	70 - 130				11/07/22 16:57	11/10/22 23:09	1

Client Sample ID: S-28

Lab Sample ID: 880-21192-3

Date Collected: 11/03/22 11:40

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	98		49.9	15.0	mg/Kg			11/14/22 15:02	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	42.1	J	49.9	15.0	mg/Kg		11/07/22 16:57	11/10/22 23:30	1
Diesel Range Organics (Over C10-C28)	55.9	*-	49.9	15.0	mg/Kg		11/07/22 16:57	11/10/22 23:30	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		11/07/22 16:57	11/10/22 23:30	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-28

Lab Sample ID: 880-21192-3

Date Collected: 11/03/22 11:40

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	11/07/22 16:57	11/10/22 23:30	1
o-Terphenyl	135	S1+	70 - 130	11/07/22 16:57	11/10/22 23:30	1

Client Sample ID: S-29

Lab Sample ID: 880-21192-4

Date Collected: 11/03/22 11:45

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.8		50.0	15.0	mg/Kg			11/14/22 15:02	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	44.8	J	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 23:51	1
Diesel Range Organics (Over C10-C28)	29.0	J *	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 23:51	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				11/07/22 16:57	11/10/22 23:51	1
o-Terphenyl	111		70 - 130				11/07/22 16:57	11/10/22 23:51	1

Client Sample ID: S-30

Lab Sample ID: 880-21192-5

Date Collected: 11/03/22 11:50

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.3	J	50.0	15.0	mg/Kg			11/14/22 15:02	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	42.3	J	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:12	1
Diesel Range Organics (Over C10-C28)	<15.0	U *	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:12	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				11/07/22 16:57	11/11/22 00:12	1
o-Terphenyl	115		70 - 130				11/07/22 16:57	11/11/22 00:12	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-31

Lab Sample ID: 880-21192-6

Date Collected: 11/03/22 11:55

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	47.6	J	50.0	15.0	mg/Kg			11/14/22 15:02	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	47.6	J	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:32	1
Diesel Range Organics (Over C10-C28)	<15.0	U *-	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:32	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				11/07/22 16:57	11/11/22 00:32	1
o-Terphenyl	114		70 - 130				11/07/22 16:57	11/11/22 00:32	1

Client Sample ID: S-32

Lab Sample ID: 880-21192-7

Date Collected: 11/03/22 12:00

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	48.5	J	50.0	15.0	mg/Kg			11/14/22 15:02	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	48.5	J	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:53	1
Diesel Range Organics (Over C10-C28)	<15.0	U *-	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:53	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/07/22 16:57	11/11/22 00:53	1
o-Terphenyl	116		70 - 130				11/07/22 16:57	11/11/22 00:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.1		5.05	0.399	mg/Kg			11/10/22 12:39	1

Client Sample ID: S-33

Lab Sample ID: 880-21192-8

Date Collected: 11/03/22 12:05

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	48.6	J	50.0	15.0	mg/Kg			11/14/22 15:02	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	48.6	J	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 21:46	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-33

Lab Sample ID: 880-21192-8

Date Collected: 11/03/22 12:05

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.0	U *-	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 21:46	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				11/07/22 16:57	11/10/22 21:46	1
o-Terphenyl	125		70 - 130				11/07/22 16:57	11/10/22 21:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.3		4.99	0.394	mg/Kg			11/10/22 12:46	1

Client Sample ID: S-34

Lab Sample ID: 880-21192-9

Date Collected: 11/03/22 12:10

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.6		49.9	15.0	mg/Kg			11/14/22 15:02	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	31.5	J	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 01:14	1
Diesel Range Organics (Over C10-C28)	28.1	J *-	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 01:14	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				11/07/22 16:57	11/11/22 01:14	1
o-Terphenyl	114		70 - 130				11/07/22 16:57	11/11/22 01:14	1

Client Sample ID: S-35

Lab Sample ID: 880-21192-10

Date Collected: 11/03/22 12:15

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76		49.9	15.0	mg/Kg			11/14/22 15:02	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	<15.0	U	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 01:34	1
Diesel Range Organics (Over C10-C28)	76	*-	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 01:34	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 01:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				11/07/22 16:57	11/11/22 01:34	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-35

Lab Sample ID: 880-21192-10

Date Collected: 11/03/22 12:15

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	130		70 - 130	11/07/22 16:57	11/11/22 01:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.6		4.97	0.393	mg/Kg			11/09/22 03:09	1

Client Sample ID: S-36

Lab Sample ID: 880-21192-11

Date Collected: 11/03/22 12:20

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.7	J	50.0	15.0	mg/Kg			11/14/22 15:02	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	43.7	J	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 02:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U *-	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 02:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/11/22 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				11/07/22 16:57	11/11/22 02:16	1
o-Terphenyl	104		70 - 130				11/07/22 16:57	11/11/22 02:16	1

Client Sample ID: S-37

Lab Sample ID: 880-21192-12

Date Collected: 11/03/22 12:25

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.7		49.8	14.9	mg/Kg			11/14/22 15:02	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	44.4	J	49.8	14.9	mg/Kg		11/07/22 16:57	11/11/22 02:37	1
Diesel Range Organics (Over C10-C28)	41.3	J *	49.8	14.9	mg/Kg		11/07/22 16:57	11/11/22 02:37	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		11/07/22 16:57	11/11/22 02:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				11/07/22 16:57	11/11/22 02:37	1
o-Terphenyl	112		70 - 130				11/07/22 16:57	11/11/22 02:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.2		4.98	0.393	mg/Kg			11/09/22 03:14	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-38

Lab Sample ID: 880-21192-13

Date Collected: 11/03/22 12:30

Matrix: Solid

Date Received: 11/04/22 16:47

Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.5		49.9	15.0	mg/Kg			11/14/22 15:02	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	47.6	J	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 02:58	1
Diesel Range Organics (Over C10-C28)	33.9	J *	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 02:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		11/07/22 16:57	11/11/22 02:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				11/07/22 16:57	11/11/22 02:58	1
o-Terphenyl	112		70 - 130				11/07/22 16:57	11/11/22 02:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.7		5.04	0.398	mg/Kg			11/09/22 03:29	1

Surrogate Summary

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County 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)
880-21192-1	S-26	123	113
880-21192-2	S-27	136 S1+	133 S1+
880-21192-3	S-28	139 S1+	135 S1+
880-21192-4	S-29	114	111
880-21192-5	S-30	115	115
880-21192-6	S-31	115	114
880-21192-7	S-32	113	116
880-21192-8	S-33	128	125
880-21192-8 MS	S-33	108	95
880-21192-8 MSD	S-33	108	92
880-21192-9	S-34	116	114
880-21192-10	S-35	133 S1+	130
880-21192-11	S-36	106	104
880-21192-12	S-37	112	112
880-21192-13	S-38	123	112
LCS 880-38926/2-A	Lab Control Sample	113	119
LCSD 880-38926/3-A	Lab Control Sample Dup	105	108
MB 880-38926/1-A	Method Blank	149 S1+	140 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-38926/1-A

Matrix: Solid

Analysis Batch: 39161

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 20:43	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 20:43	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/07/22 16:57	11/10/22 20:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				11/07/22 16:57	11/10/22 20:43	1
o-Terphenyl	140	S1+	70 - 130				11/07/22 16:57	11/10/22 20:43	1

Lab Sample ID: LCS 880-38926/2-A

Matrix: Solid

Analysis Batch: 39161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	799.0		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	760.3		mg/Kg		76	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	113		70 - 130				
o-Terphenyl	119		70 - 130				

Lab Sample ID: LCSD 880-38926/3-A

Matrix: Solid

Analysis Batch: 39161

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	767.1		mg/Kg		77	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	684.4	*-	mg/Kg		68	70 - 130	11	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	108		70 - 130						

Lab Sample ID: 880-21192-8 MS

Matrix: Solid

Analysis Batch: 39161

Client Sample ID: S-33

Prep Type: Total/NA

Prep Batch: 38926

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	48.6	J	997	1070		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<15.0	U *-	997	903.4		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

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

Lab Sample ID: 880-21192-8 MS

Matrix: Solid

Analysis Batch: 39161

Client Sample ID: S-33

Prep Type: Total/NA

Prep Batch: 38926

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-21192-8 MSD

Matrix: Solid

Analysis Batch: 39161

Client Sample ID: S-33

Prep Type: Total/NA

Prep Batch: 38926

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	48.6	J	999	1058		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<15.0	U *	999	892.7		mg/Kg		89	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38854/1-A

Matrix: Solid

Analysis Batch: 38929

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	5.00	0.395	mg/Kg			11/09/22 01:30	1

Lab Sample ID: LCS 880-38854/2-A

Matrix: Solid

Analysis Batch: 38929

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	260.7		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-38854/3-A

Matrix: Solid

Analysis Batch: 38929

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	274.1		mg/Kg		110	90 - 110	5	20

Lab Sample ID: 880-21185-A-17-B MS

Matrix: Solid

Analysis Batch: 38929

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	19.1		250	272.9		mg/Kg		102	90 - 110		

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21185-A-17-C MSD

Matrix: Solid

Analysis Batch: 38929

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	19.1		250	269.4		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-38831/1-A

Matrix: Solid

Analysis Batch: 39018

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	5.00	0.395	mg/Kg			11/10/22 09:06	1

Lab Sample ID: LCS 880-38831/2-A

Matrix: Solid

Analysis Batch: 39018

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.3		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-38831/3-A

Matrix: Solid

Analysis Batch: 39018

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	265.5		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-21153-A-7-B MS

Matrix: Solid

Analysis Batch: 39018

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	17.7		249	273.3		mg/Kg		103	90 - 110

Lab Sample ID: 880-21153-A-7-C MSD

Matrix: Solid

Analysis Batch: 39018

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	17.7		249	273.6		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

GC Semi VOA

Prep Batch: 38926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21192-1	S-26	Total/NA	Solid	8015NM Prep	
880-21192-2	S-27	Total/NA	Solid	8015NM Prep	
880-21192-3	S-28	Total/NA	Solid	8015NM Prep	
880-21192-4	S-29	Total/NA	Solid	8015NM Prep	
880-21192-5	S-30	Total/NA	Solid	8015NM Prep	
880-21192-6	S-31	Total/NA	Solid	8015NM Prep	
880-21192-7	S-32	Total/NA	Solid	8015NM Prep	
880-21192-8	S-33	Total/NA	Solid	8015NM Prep	
880-21192-9	S-34	Total/NA	Solid	8015NM Prep	
880-21192-10	S-35	Total/NA	Solid	8015NM Prep	
880-21192-11	S-36	Total/NA	Solid	8015NM Prep	
880-21192-12	S-37	Total/NA	Solid	8015NM Prep	
880-21192-13	S-38	Total/NA	Solid	8015NM Prep	
MB 880-38926/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38926/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21192-8 MS	S-33	Total/NA	Solid	8015NM Prep	
880-21192-8 MSD	S-33	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21192-1	S-26	Total/NA	Solid	8015B NM	38926
880-21192-2	S-27	Total/NA	Solid	8015B NM	38926
880-21192-3	S-28	Total/NA	Solid	8015B NM	38926
880-21192-4	S-29	Total/NA	Solid	8015B NM	38926
880-21192-5	S-30	Total/NA	Solid	8015B NM	38926
880-21192-6	S-31	Total/NA	Solid	8015B NM	38926
880-21192-7	S-32	Total/NA	Solid	8015B NM	38926
880-21192-8	S-33	Total/NA	Solid	8015B NM	38926
880-21192-9	S-34	Total/NA	Solid	8015B NM	38926
880-21192-10	S-35	Total/NA	Solid	8015B NM	38926
880-21192-11	S-36	Total/NA	Solid	8015B NM	38926
880-21192-12	S-37	Total/NA	Solid	8015B NM	38926
880-21192-13	S-38	Total/NA	Solid	8015B NM	38926
MB 880-38926/1-A	Method Blank	Total/NA	Solid	8015B NM	38926
LCS 880-38926/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38926
LCSD 880-38926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38926
880-21192-8 MS	S-33	Total/NA	Solid	8015B NM	38926
880-21192-8 MSD	S-33	Total/NA	Solid	8015B NM	38926

Analysis Batch: 39530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21192-1	S-26	Total/NA	Solid	8015 NM	
880-21192-2	S-27	Total/NA	Solid	8015 NM	
880-21192-3	S-28	Total/NA	Solid	8015 NM	
880-21192-4	S-29	Total/NA	Solid	8015 NM	
880-21192-5	S-30	Total/NA	Solid	8015 NM	
880-21192-6	S-31	Total/NA	Solid	8015 NM	
880-21192-7	S-32	Total/NA	Solid	8015 NM	
880-21192-8	S-33	Total/NA	Solid	8015 NM	
880-21192-9	S-34	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 39530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21192-10	S-35	Total/NA	Solid	8015 NM	
880-21192-11	S-36	Total/NA	Solid	8015 NM	
880-21192-12	S-37	Total/NA	Solid	8015 NM	
880-21192-13	S-38	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 38831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21192-7	S-32	Soluble	Solid	DI Leach	
880-21192-8	S-33	Soluble	Solid	DI Leach	
MB 880-38831/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38831/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38831/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21153-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-21153-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 38854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21192-10	S-35	Soluble	Solid	DI Leach	
880-21192-12	S-37	Soluble	Solid	DI Leach	
880-21192-13	S-38	Soluble	Solid	DI Leach	
MB 880-38854/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38854/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38854/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21185-A-17-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-21185-A-17-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 38929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21192-10	S-35	Soluble	Solid	300.0	38854
880-21192-12	S-37	Soluble	Solid	300.0	38854
880-21192-13	S-38	Soluble	Solid	300.0	38854
MB 880-38854/1-A	Method Blank	Soluble	Solid	300.0	38854
LCS 880-38854/2-A	Lab Control Sample	Soluble	Solid	300.0	38854
LCSD 880-38854/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38854
880-21185-A-17-B MS	Matrix Spike	Soluble	Solid	300.0	38854
880-21185-A-17-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	38854

Analysis Batch: 39018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21192-7	S-32	Soluble	Solid	300.0	38831
880-21192-8	S-33	Soluble	Solid	300.0	38831
MB 880-38831/1-A	Method Blank	Soluble	Solid	300.0	38831
LCS 880-38831/2-A	Lab Control Sample	Soluble	Solid	300.0	38831
LCSD 880-38831/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38831
880-21153-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	38831
880-21153-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	38831

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-26

Lab Sample ID: 880-21192-1

Date Collected: 11/03/22 11:30

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/10/22 22:49	AJ	EET MID

Client Sample ID: S-27

Lab Sample ID: 880-21192-2

Date Collected: 11/03/22 11:35

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/10/22 23:09	AJ	EET MID

Client Sample ID: S-28

Lab Sample ID: 880-21192-3

Date Collected: 11/03/22 11:40

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/10/22 23:30	AJ	EET MID

Client Sample ID: S-29

Lab Sample ID: 880-21192-4

Date Collected: 11/03/22 11:45

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/10/22 23:51	AJ	EET MID

Client Sample ID: S-30

Lab Sample ID: 880-21192-5

Date Collected: 11/03/22 11:50

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 00:12	AJ	EET MID

Client Sample ID: S-31

Lab Sample ID: 880-21192-6

Date Collected: 11/03/22 11:55

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-31

Lab Sample ID: 880-21192-6

Date Collected: 11/03/22 11:55

Matrix: Solid

Date Received: 11/04/22 16:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 00:32	AJ	EET MID

Client Sample ID: S-32

Lab Sample ID: 880-21192-7

Date Collected: 11/03/22 12:00

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 00:53	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38831	11/07/22 10:11	KS	EET MID
Soluble	Analysis	300.0		1			39018	11/10/22 12:39	CH	EET MID

Client Sample ID: S-33

Lab Sample ID: 880-21192-8

Date Collected: 11/03/22 12:05

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/10/22 21:46	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38831	11/07/22 10:11	KS	EET MID
Soluble	Analysis	300.0		1			39018	11/10/22 12:46	CH	EET MID

Client Sample ID: S-34

Lab Sample ID: 880-21192-9

Date Collected: 11/03/22 12:10

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 01:14	AJ	EET MID

Client Sample ID: S-35

Lab Sample ID: 880-21192-10

Date Collected: 11/03/22 12:15

Matrix: Solid

Date Received: 11/04/22 16:47

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 01:34	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 03:09	CH	EET MID

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Lab Chronicle

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Client Sample ID: S-36

Date Collected: 11/03/22 12:20

Date Received: 11/04/22 16:47

Lab Sample ID: 880-21192-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 02:16	AJ	EET MID

Client Sample ID: S-37

Date Collected: 11/03/22 12:25

Date Received: 11/04/22 16:47

Lab Sample ID: 880-21192-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 02:37	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 03:14	CH	EET MID

Client Sample ID: S-38

Date Collected: 11/03/22 12:30

Date Received: 11/04/22 16:47

Lab Sample ID: 880-21192-13

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			39530	11/14/22 15:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38926	11/07/22 16:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39161	11/11/22 02:58	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 03:29	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
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	T104704400-22-24	06-30-23

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

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

Method Summary

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Laboratory References:

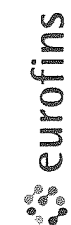
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental
Project/Site: State C AC 1 #1

Job ID: 880-21192-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-21192-1	S-26	Solid	11/03/22 11:30	11/04/22 16:47	0-2'
880-21192-2	S-27	Solid	11/03/22 11:35	11/04/22 16:47	0-2'
880-21192-3	S-28	Solid	11/03/22 11:40	11/04/22 16:47	0-2'
880-21192-4	S-29	Solid	11/03/22 11:45	11/04/22 16:47	0-2'
880-21192-5	S-30	Solid	11/03/22 11:50	11/04/22 16:47	0-2'
880-21192-6	S-31	Solid	11/03/22 11:55	11/04/22 16:47	0-2'
880-21192-7	S-32	Solid	11/03/22 12:00	11/04/22 16:47	0-2'
880-21192-8	S-33	Solid	11/03/22 12:05	11/04/22 16:47	0-2'
880-21192-9	S-34	Solid	11/03/22 12:10	11/04/22 16:47	0-2'
880-21192-10	S-35	Solid	11/03/22 12:15	11/04/22 16:47	0-2'
880-21192-11	S-36	Solid	11/03/22 12:20	11/04/22 16:47	0-2'
880-21192-12	S-37	Solid	11/03/22 12:25	11/04/22 16:47	0-2'
880-21192-13	S-38	Solid	11/03/22 12:30	11/04/22 16:47	6'



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: 21192

www.xenco.com Page 1 of 2

Project Manager: Cindy Crain		Bill to: (if different)		Company Name: Nicole Cornwell	
Company Name: Crain Environmental		Company Name: BXP		Address: 11757 Katy Frwy, Ste. 475	
Address: 2925 E. 17th St.		City, State, Zip: Houston, TX 77079		Email: cindy.crain@gmail.com	
City, State, Zip: Odessa, TX 79761		Phone: (575) 441-7244			

Project Name: State C AC 1 #1	Turn Around: Routine ☒ Rush ☐	Pres. Code:
Project Number: -	Due Date: TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name: Lea Co., NM	Thermometer ID: 1188	
P.O. #: Cindy Crain	Correction Factor: -3.0	
	Temperature Reading: 3.3	
	Corrected Temperature: 3.0	

SAMPLE RECEIPT				Parameters		Turn Around		ANALYSIS REQUEST		Preservative Codes	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	Grab/Comp	Depth	Pres. Code	None	NO	DI Water H ₂ O
S-26	S	11/3/22	1130	0-2'	C	1					
S-27			1135								
S-28			1140								
S-29			1145								
S-30			1150								
S-31			1155								
S-32			1200								
S-33			1205								
S-34			1210								
S-35			1215								



880-21192 Chain of Custody

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	Date/Time
Cindy Crain		11/4/22	
		1647	

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-21192-1

SDG Number: Lea County NM

Login Number: 21192

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Appendix C: Photographic Documentation

Photographic Log
BXP Operating, LLC
State C AC 1 Com #001



View to north of installed liner (11/3/22).



View to northeast of installed liner (11/3/22).



View to north of TB (11/3/22).



View to west of TB (11/3/22).



View to west of backfilled excavation (11/14/22).



View to east of backfilled excavation (11/14/22).

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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 499158

QUESTIONS

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 499158
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2517756268
Incident Name	NAPP2517756268 STATE C AC 1 COM #001 @ C-02-12S-33E 1122N 2925E
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source

Please answer all the questions in this group.

Site Name	STATE C AC 1 COM #001
Date Release Discovered	03/01/2022
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Corrosion Pipeline (Any) Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 499158

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 499158
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Bianca Guerrero Title: Regulatory manager Email: bguerrero@bxpltd.com Date: 08/26/2025
--	---

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QUESTIONS, Page 3

Action 499158

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 499158
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	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)	2760
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	25600
GRO+DRO (EPA SW-846 Method 8015M)	19495
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	10/20/2025
On what date will (or did) the final sampling or liner inspection occur	11/20/2025
On what date will (or was) the remediation complete(d)	12/12/2025
What is the estimated surface area (in square feet) that will be reclaimed	21600
What is the estimated volume (in cubic yards) that will be reclaimed	800
What is the estimated surface area (in square feet) that will be remediated	21600
What is the estimated volume (in cubic yards) that will be remediated	800
<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 499158

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID:
	329487
	Action Number:
	499158
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fAB0000000061 TNM-55-95
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Bianca Guerrero Title: Regulatory manager Email: bguerrero@bxpitd.com Date: 08/26/2025
<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 499158

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 499158
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 499158

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 499158
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 499158

CONDITIONS

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 499158
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The site characterization report and remediation workplan is approved with the following conditions. 1. The 180-day variance request is not approved. 2. The sampling variance request to collect confirmation samples every 400' is not approved. 3. Submit a remediation closure report to the OCD 30-days from receipt of this determination, no later than 10/08/2025.	9/12/2025