



Remediation Summary and Closure Request

August 2, 2025

**Bagley SWD #004, Area 5
API 30-025-01015
Historical Produced Water Release
Incident No. nAPP2509978939
Lea County, New Mexico**

Prepared For:

BXP Operating, LLC
11757 Katy Freeway, Suite 475
Houston, Texas 77079

Prepared By:

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2925 East 17th Street
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A handwritten signature in blue ink that reads 'Cynthia K. Crain'.

Cynthia K. Crain, P.G.



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1.0 Introduction

Crain Environmental (CE), on behalf of BXP Operating, LLC (BXP), has prepared this Remediation Summary and Closure Report for the produced water release at Bagley SWD #004, Area 5 (Site), located in in Unit Letter N, Section 35, Township 11 South, Range 33 East, Lea County, New Mexico, at Global Positioning Coordinates (GPS) 33.31699, -103.586021. The property surface rights are owned by the State of New Mexico.

The Bagley SWD #004 is located approximately 17 miles northwest of Tatum, New Mexico, in an area of oil and gas activity, cattle grazing, and sparse vegetation.

The site can be accessed by traveling west from Tatum, New Mexico on Highway 380 for 15.23 miles to County Road 457. Travel south on 457 for 1.23 miles and west for 0.82 miles to Bagley Field Road. Continue west on Bagley Field Road for 0.64 miles to the site on the north side of the road. There are no locked gates or other access issues. Figure 1 shows the site location.

2.0 Background

On October 21, 2024, BXP received an email from the New Mexico State Land Office (NMSLO) Environmental Compliance Office (ECO) stating there was an open Incident (#nDEV1776) from 1993 with the New Mexico Oil Conservation Division (NMOCD), and an NMOCD compliance inspection (cEZB2328943265) from October 2023 that indicated spills and releases at the site that had not been resolved. A Site Assessment Workplan was submitted to the ECO on October 28, 2024, and was approved on November 6, 2024. Site assessment activities were conducted in the tank battery and eight barren areas of the Lease on November 20, 2024, and sample results were submitted to ECO via email on December 16, 2024.

Notifications of Release (NOR) for each of the nine areas were submitted to the NMOCD on April 9, 2025, and the following Incident numbers were assigned:

- nAPP2509976410 (Area 1)
- nAPP2509977675 (Area 2)
- nAPP2509978375 (Area 3)
- nDEV1776 (Area 4)
- nAPP2509978939 (Area 5)
- nAPP2509979883 (Area 6)
- nAPP2509980372 (Area 7)
- nAPP2509980836 (Area 8)
- nAPP2509974572 (Area 9)



Figure 2 shows the areas of investigation with the respective Incident numbers.

A Site Characterization Report and Remediation Workplan was submitted to the NMOCD on April 10, 2025, for Incident #nDEV1776, and was denied on April 22, 2025, for the following reasons:

- Horizontal delineation submitted was incomplete and did not meet requirements of 19.15.29.11 NMAC.
- Incident nDEV1776 (Area 4) has not been fully delineated, horizontally or vertically.
- The current samples within Area 4, nDEV1776, do not meet 19.15.29.11 NMAC for horizontal and vertical delineation.
- Deferral request for nDEV1776 (Area 4) will not be granted. Depth to groundwater is at 43 feet.
- If P&A activities are going to impact remediation activities for nDEV1776, Area 4, address how activities will be coordinated in the remediation workplan. Provide a detailed timeline when remediation is to begin and conclude.
- Submit a remediation workplan via the OCD permitting portal by July 21, 2025.

A Revised Site Characterization Report and Remediation Workplan was prepared in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC) and was submitted to the NMOCD on April 26, 2025. As horizontal and vertical delineation activities during excavation/remediation activities are commonly approved by the NMOCD, BXP elected to conduct horizontal and vertical delineation activities during excavation/remediation. As BXP does not have a definite timeline for plugging and abandonment (P&A) of the Bagley SWD #004 well, and the tank battery is being used for other wells in addition to the Bagley SWD #004, references to P&A and deferral of remediation at the tank battery were removed from the Revised Workplan (Workplan).

As remediation of each Incident # included in the Workplan will be completed in sequential order, each has the same Closure Criteria, remediation at each will be conducted by dig and haul methods, and horizontal and vertical delineation will be completed at each Incident during excavation/remediation, all Incidents associated with the Bagley SWD #004 were included in the Revised Site Characterization Report and Remediation Workplan, and on April 26, 2025, the Revised Workplan was submitted to the NMOCD for each Incident listed above.

The Revised Workplan was approved by the NMOCD on May 6, 2025, and reports were requested to be submitted by August 4, 2025.

This Remediation Summary and Closure Report for Area 5, Incident #nAPP2509978939, has been prepared in accordance with 19.15.29.11 NMAC and is being submitted prior to the NMOCD due date.



3.0 NMOCD Closure Criteria

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

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

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

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated several water wells located within a 0.5-mile radius of the Site with depth to groundwater provided; however, each well was drilled in the 1950's. CE was able to locate well L-01327 and measured a depth to groundwater of 43.1' below ground surface (bgs) on March 28, 2025. Based on the depth to groundwater in well L-01327, the most stringent NMOCD Closure Criteria will apply to each Incident at the Site. Figure 3 provides a wellhead protection area map that shows the location of water wells within a 0.5-mile radius of the Site, as recorded with NMOSE. NMOSE water well records with depth to groundwater listed are provided in Appendix A.



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

3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland. The New Mexico Bureau of Land Management



(BLM) karst potential map indicates the Site is located within a “low karst potential” area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is located outside of a 100-year floodplain. Figures 4, 5, and 6 depict the USFWS map, the FEMA floodplain map, and the karst potential map, respectively.

3.4 Closure Criteria Currently Assumed Applicable to the Site

A review of the New NMOSE records indicated several water wells located within a 0.5-mile radius of the Site with depth to groundwater provided; however, each well was drilled in the 1950's. CE was able to locate well L-01327 (located 1,279 feet west of Bagley SWD #004) and measured a depth to groundwater of 43.1' bgs on March 28, 2025.

Based on the depth of groundwater in well L-01327, the most stringent NMOCD Closure Criteria associated with groundwater depths of less than 50 feet bgs will apply to each Incident at the Bagley SWD #004. A summary of the Closure Criteria is provided in the table below and in Table 1. Figure 3 provides a wellhead protection area map that shows the location of water wells within a 0.5-mile radius of the Site, as recorded with NMOSE. NMOSE water well records with depth to groundwater listed are provided in Appendix A.

NMOCD Closure Criteria

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

Notes: NA = not applicable

bgs = below ground surface

mg/kg = milligrams per kilogram

GRO = gasoline range organics

DRO = diesel range organics

MRO = motor oil range organics

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, and total xylenes

Green highlighted cells denote applicable Closure Criteria.



4.0 Site Assessment/Characterization Results

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

4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, sample point locations, and known subsurface features such as utilities are provided on Figures 2 and 7.

4.2 Depth to Groundwater

As discussed in Section 3.1, a depth to groundwater of 43.1' bgs was measured in well L-01327 (located 1,279 feet west of Bagley SWD #004) on March 28, 2025.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 3. There were no other water sources, springs, or other sources of freshwater extraction identified within 0.5-mile of the Site.

4.4 Distance to Nearest Significant Watercourse

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

4.5 Summary of Remediation Activities

As sample locations include areas located in previously disturbed areas, compliance with the Cultural Properties Protection (CPP) rule will apply, and an Archaeological Survey has been conducted. The Survey Cover Sheet for NMCRIS Activity Number 157575 is included as Appendix B.

A biological desktop review was conducted, and no critical habitats were found in proximity to the subject Site. A copy of the U.S. Fish & Wildlife Service database review is included as Appendix C.

Following approval of the *Revised Site Characterization Report and Remediation Workplan* on May 6, 2025, excavation was conducted in the areas of previously collected sample points S-19 (west excavation) and S-20 (east excavation) until five-point composite samples were collected from the bottom (B-1, B-2, and B-4 through B-10) and sidewalls (S-1 through S-6 and S-11



through S-16) of the east excavation, and the bottom (B-3) and sidewalls (S-7 through S-10) of the west excavation on June 24, 2025.

All confirmation samples were placed in laboratory prepared containers, properly labeled, immediately placed on ice, and hand delivered to Eurofins Environment Testing (Eurofins) in Midland, Texas for analysis of total petroleum hydrocarbons (TPH) by EPA Method 8015 Modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chlorides by EPA Method 300.0.

Table 1 provides a summary of laboratory results. Figure 7 shows the sample locations. Appendix D provides a copy of the laboratory report and chain of custody documentation. Appendix E provides a photographic log of site assessment activities.

Referring to Table 1, concentrations of benzene and BTEX were reported below the test method detection limits in each sample. Concentrations of TPH were reported below the test method detection limits or the Closure Criteria in each sample, and concentrations of chlorides were reported below the Closure Criteria in each confirmation sample.

The dimensions of the east excavation measured 60' x 28' (to a depth of 1' bgs), and the dimensions of the west excavation measured 12' x 12' (to a depth of 2' bgs). The east excavation covered a surface area of 1,680 square feet (ft²), and the west excavation covered a surface area of 144 ft², for a total remediated area of 1,824 ft².

All affected soil has been excavated, and 40 cubic yards (cy) of soil were hauled to GM, Inc. for disposal on June 26, 2025. Waste Manifests are provided in Appendix F.

4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Laboratory data in Report Number 880-59788-1 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 D.

5.0 Closure Request

A total of 40 cy of soil was excavated and hauled to disposal at GM, Inc. All confirmation samples collected from the bottom and sidewalls of the excavations reported TPH, Benzene, BTEX, and chloride concentrations below the NMOCD Closure Criteria. The dimensions of the



final east excavation measured 60' x 28', and the dimensions of the final west excavation measured 12' x 12'. The areas of excavation covered a surface area of 1,824 ft².

Upon NMOCD and ECO approval of this Closure Report, the excavations will be backfilled to grade with non-impacted similar material obtained from a landowner pit. A five-point composite sample will be collected from the backfill material, and will be analyzed for TPH, BTEX, and chlorides.

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

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

BXP respectfully requests the closure of Incident #nAPP2509978939.

6.0 Distribution

Copy 1: Mike Bratcher
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Copy 2: Environmental Compliance Office
ECO@nmslo.gov



TABLE

Table 1
Summary of Soil Sample Analyses
BXP Operating, LLC
Bagley SWD #004
Area 5 - Incident #nAPP2509978939

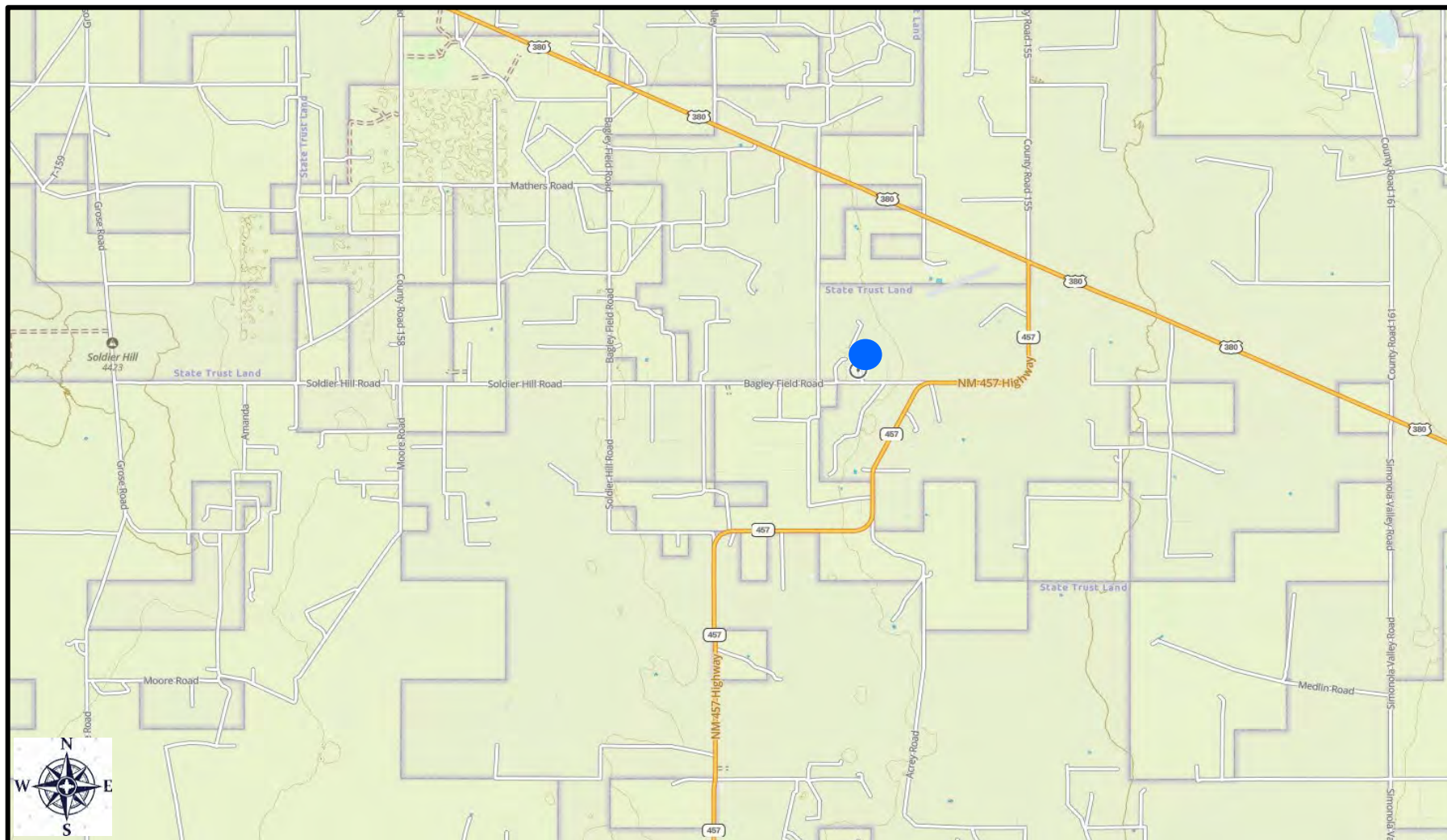
Sample ID	Sample Date	Sample Depth (feet bgs)	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria				-	-	-	100	10	-	-	-	50	600.0
S-19 (0-6")	11/20/24	0-6"	In Situ	<14.5	26.8 J	<15.1	26.8 J	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	874
S-19 (2')	11/20/24	2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	574
S-20 (0-6")	11/20/24	0-6"	In Situ	<14.5	109	<15.1	109	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	1,500
S-20 (4.1')	11/20/24	4.1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	408
Confirmation Samples From Sidewalls of East Excavation													
S-1	06/24/25	0-1'	In Situ	<14.5	15.4 J	<15.1	15.4 J	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	101
S-2	06/24/25	0-1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	108
S-3	06/24/25	0-1'	In Situ	<14.4	<15.0	<15.0	<15.0	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	107
S-4	06/24/25	0-1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	83.9
S-5	06/24/25	0-1'	In Situ	<14.5	30.5 J	<15.1	30.5 J	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	96.4
S-6	06/24/25	0-1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	103
S-11	06/24/25	0-1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	88.1
S-12	06/24/25	0-1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	91.8
S-13	06/24/25	0-1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	102
S-14	06/24/25	0-1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	87.3
S-15	06/24/25	0-1'	In Situ	<14.4	<15.0	<15.0	<15.0	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	73.4
S-16	06/24/25	0-1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	79.9
Confirmation Samples From Bottom of East Excavation													
B-1	06/24/25	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	91.6
B-2	06/24/25	1'	In Situ	<14.4	16.0 J	<15.0	16.0 J	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	74.7
B-4	06/24/25	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	70.6
B-5	06/24/25	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	87.4
B-6	06/24/25	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	89.0
B-7	06/24/25	1'	In Situ	<14.4	<15.0	<15.0	<15.0	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	80.8
B-8	06/24/25	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	82.1
B-9	06/24/25	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	81.0
B-10	06/24/25	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	88.7
Confirmation Samples From Sidewalls of West Excavation													
S-7	06/24/25	0-2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	81.4
S-8	06/24/25	0-2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	84.0
S-9	06/24/25	0-2'	In Situ	<14.5	22.0 J	<15.1	22.0 J	<0.00139	<0.00199	<0.00108	<0.00228	<0.00228	81.6
S-10	06/24/25	0-2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	96.7
Confirmation Samples From Bottom of West Excavation													
B-3	06/24/25	2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	79.4

Notes:

- GRO: Gasoline Range Organics
- DRO: Diesel Range Organics
- MRO: Motor Oil Range Organics
- bgs: below ground surface
- 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
- Green highlighting indicates soil was excavated and disposed.
- 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.



FIGURES



LEGEND:

 Site Location

Base Map from GAIA GPS

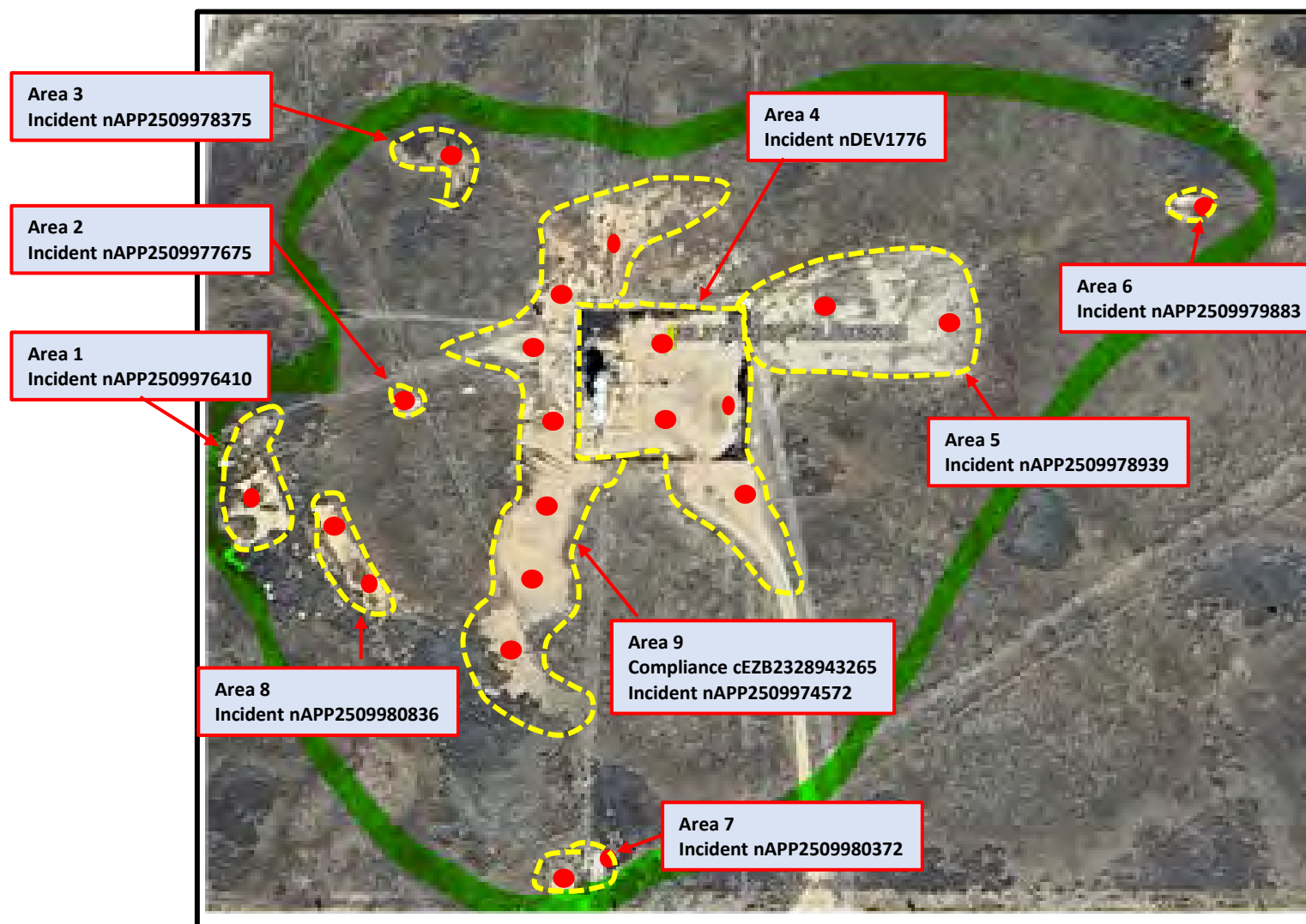
Figure 1
Site Location Map
BXP Operating, LLC
Bagley SWD #004
Lea County, New Mexico

Drafted by: CC | Checked by: CC

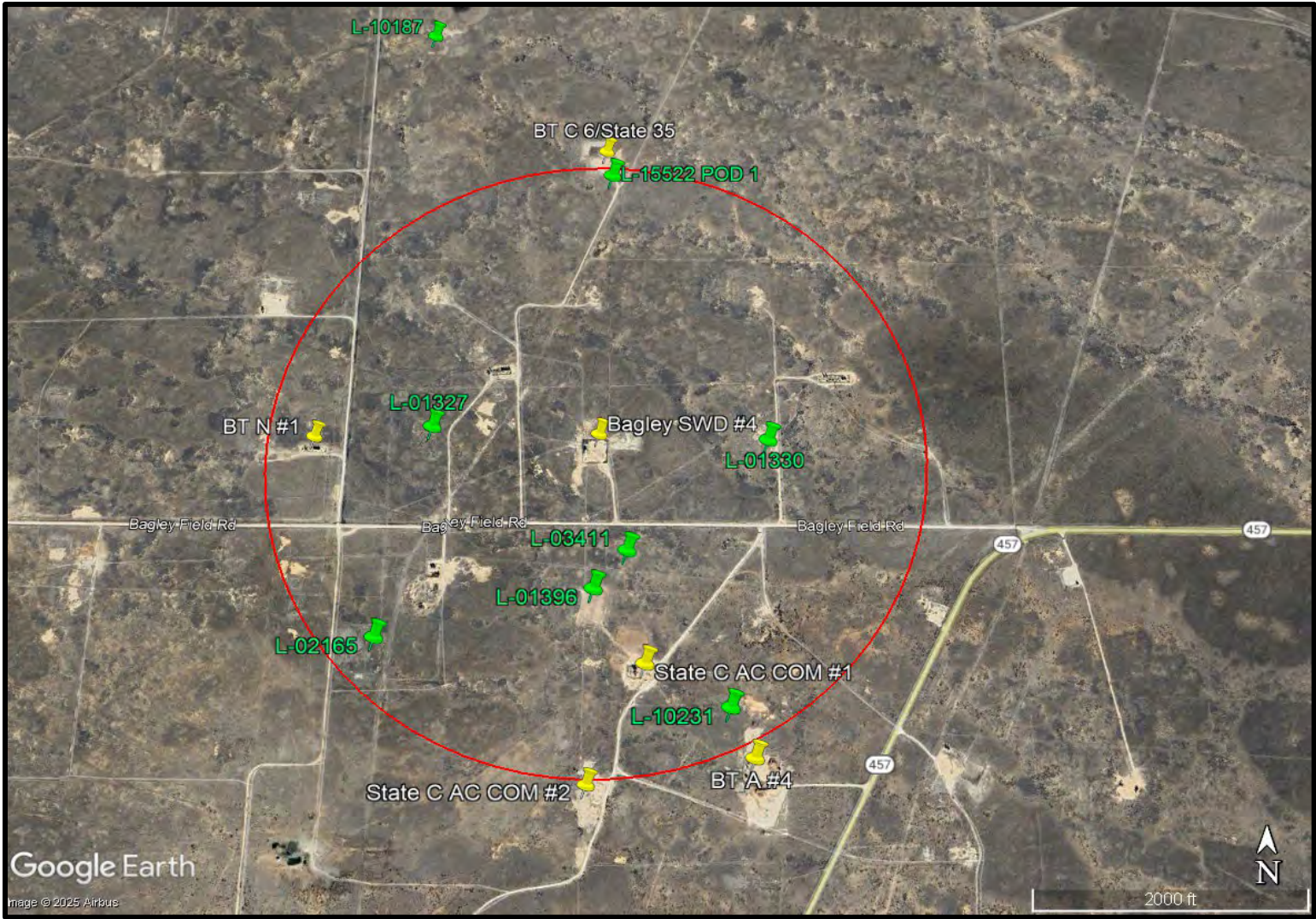
Draft: August 2, 2025



GPS: 33.31699° -103.586021°

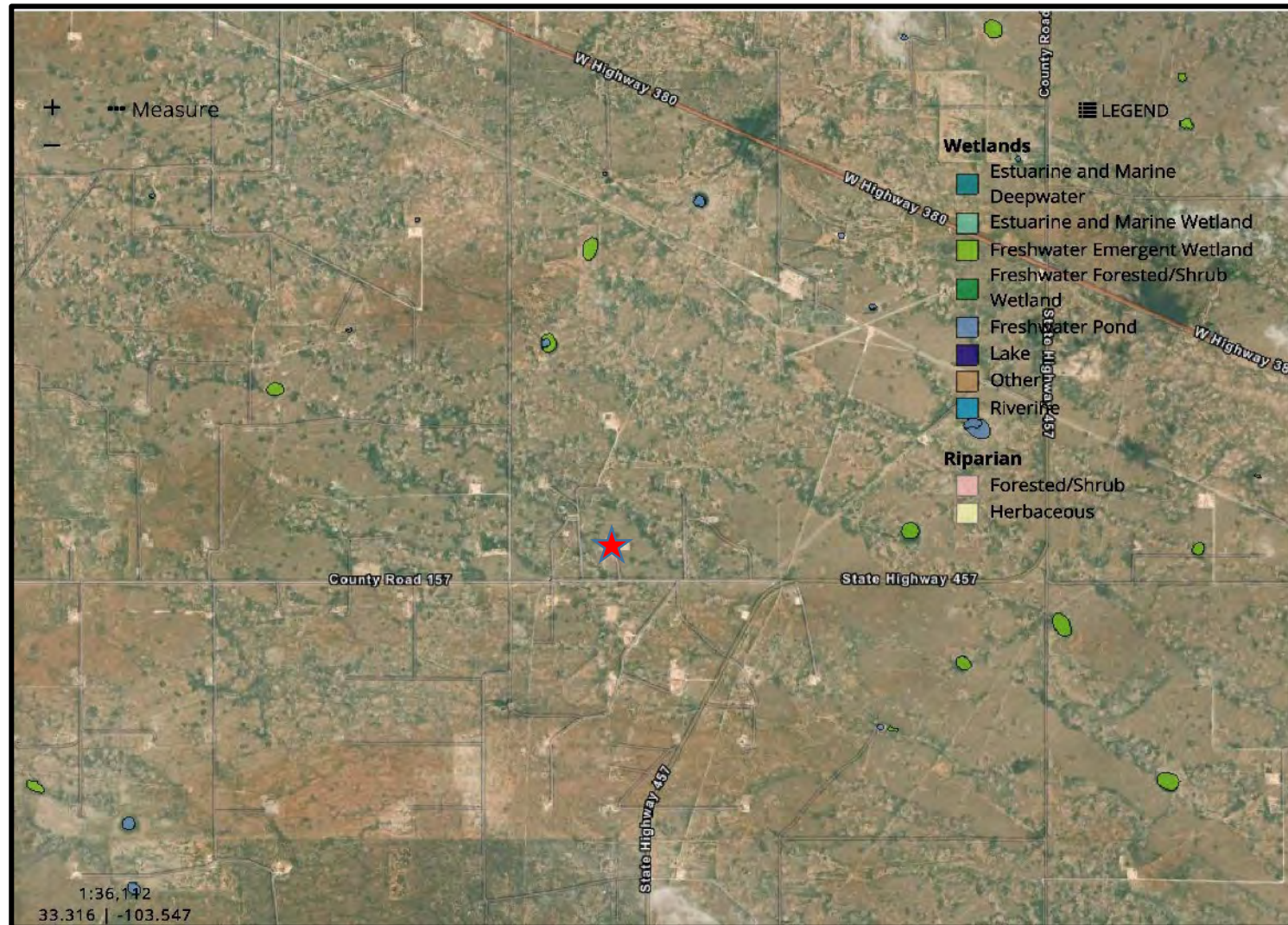




LEGEND:		Figure 2			
	Investigation Sample Location	Estimated Remediation Area		Drafted by: CC Checked by: CC	
	ECO Investigation Boundary	Boundaries		Draft: April 10, 2025	
	Estimated Remediation Area Boundaries with Area and Incident Number	BXP Operating, LLC		GPS: 33.31699° -103.586021°	
Base Map from Google Earth Pro		Bagley SWD #004			
		Lea County, New Mexico			



<div>LEGEND:</div> <div> Site and Well Location</div> <div>Base Map from Google Earth Pro</div>	<div>Figure 3</div> <div>Wellhead Protection Area Map</div> <div>Site Location Map</div> <div>BXP Operating, LLC</div> <div>Bagley SWD #004</div> <div>Lea County, New Mexico</div>		
		Drafted by: CC Checked by: CC	
		Draft: August 2, 2025	
		GPS: 33.31699° -103.586021°	



LEGEND:



Site Location

Base Map from US Fish & Wildlife Service

Figure 4

National Wetlands Inventory Map

Site Location Map

BXP Operating, LLC

Bagley SWD #004

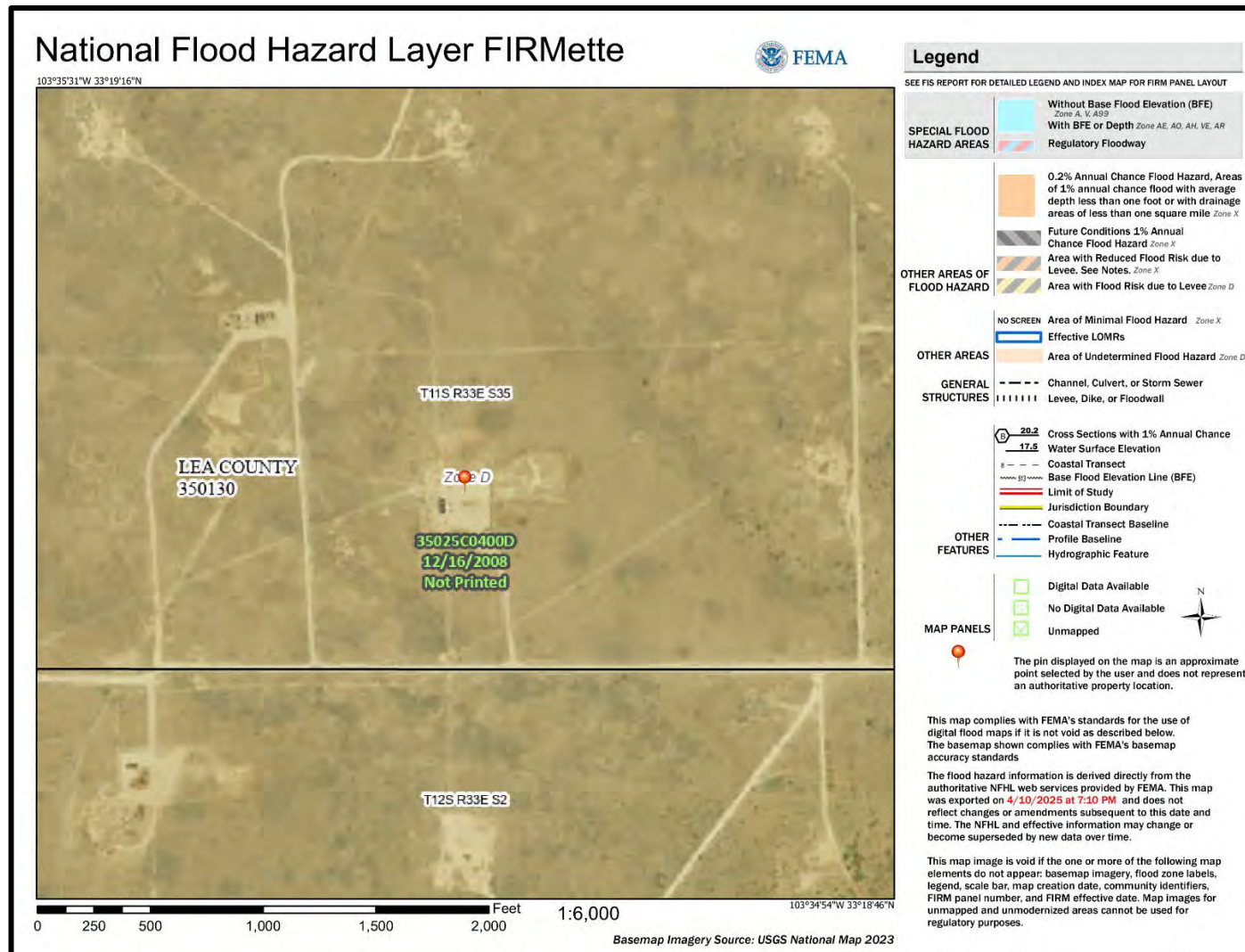
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: August 2, 2025

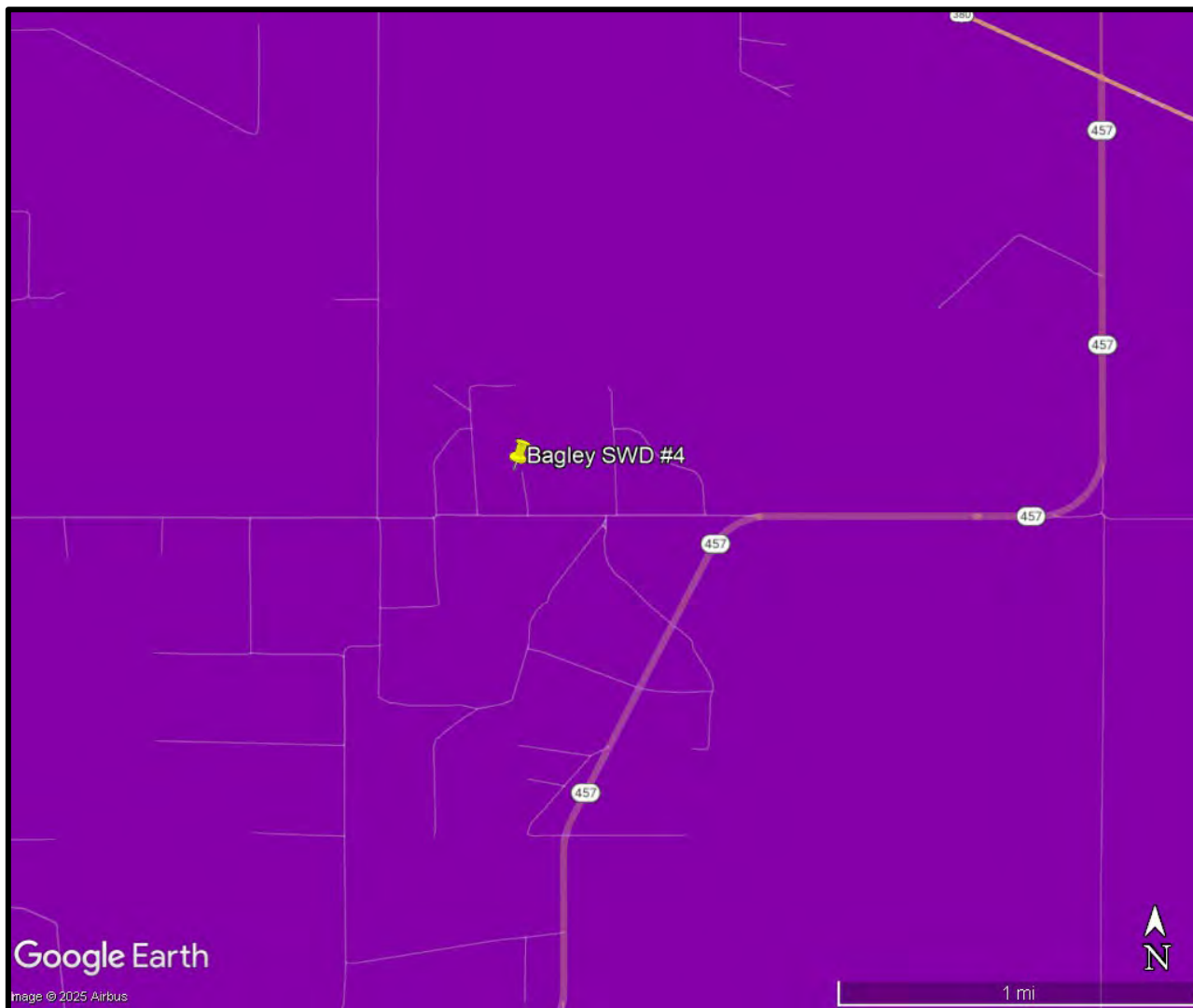
GPS: 33.31699° -103.586021°




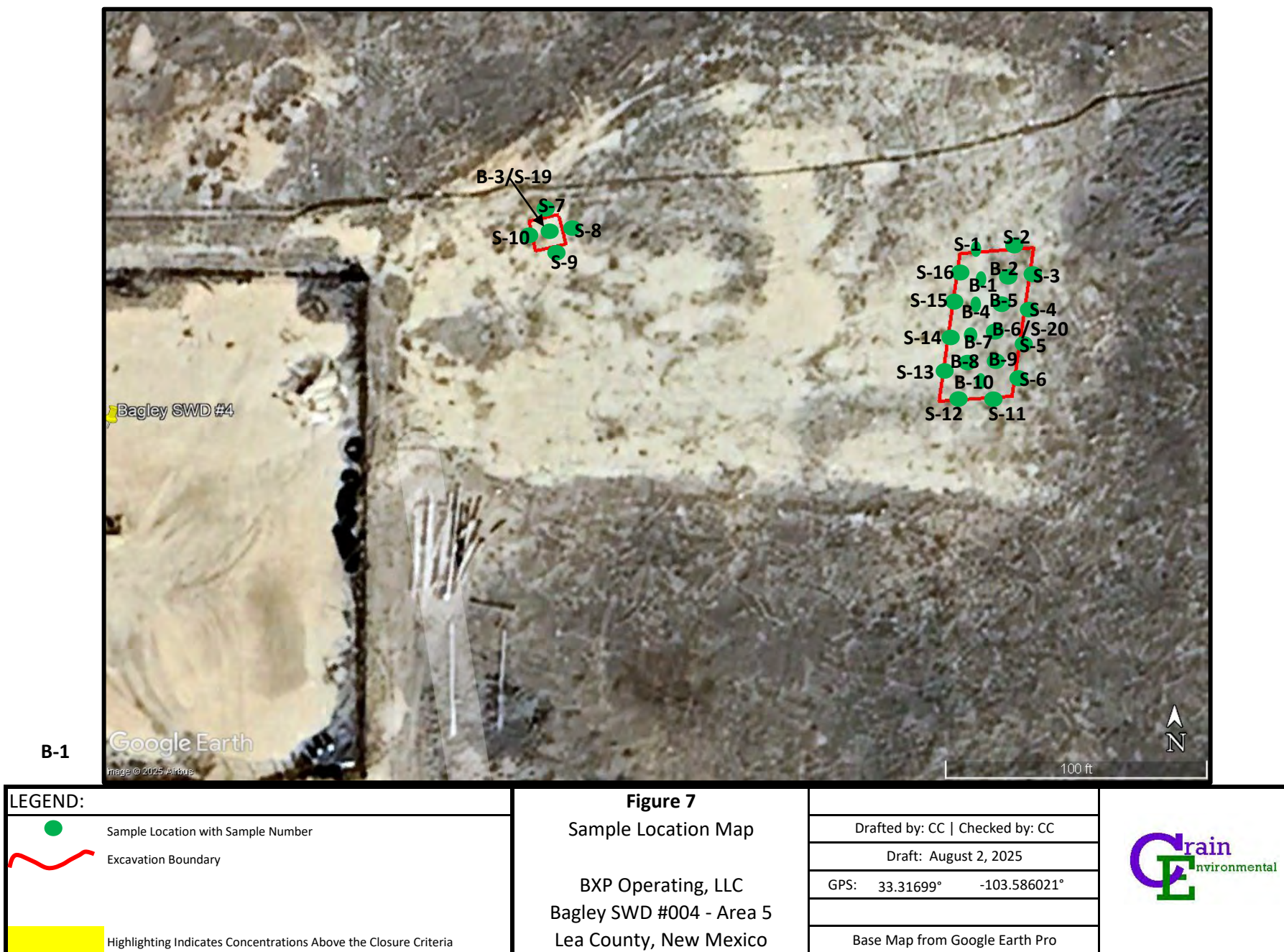


LEGEND: Site Location Base Map from FEMA	Figure 5 FEMA Floodplain Map Site Location Map BXP Operating, LLC Bagley SWD #004 Lea County, New Mexico	
		Drafted by: CC Checked by: CC
		Draft: August 2, 2025
		GPS: 33.31699° -103.586021°





LEGEND: <div><div></div>Low Karst Potential</div> <div><div></div>Medium Karst Potential</div> <div><div></div>High Karst Potential</div> Base Map from Google Earth Pro and BLM	Figure 6 Karst Potential Map Site Location Map BXP Operating, LLC Bagley SWD #004 Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: August 2, 2025	
		GPS: 33.31699° -103.586021°	






Appendix A: NMOSE Water Well Records

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	L 01327		SW	SW	35	11S	33E	631143.0	3687301.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	33	Driller Company:	TATUM CLAUDE E.		
Driller Name:	TATUM, CLAUDE E.				
Drill Start Date:	1951-12-17	Drill Finish Date:	1951-12-18	Plug Date:	1954-07-10
Log File Date:	1952-02-18	PCW Rcv Date:	1953-02-20	Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	115	Depth Water:	55

Water Bearing Stratifications:


Top	Bottom	Description
55	115	Sandstone/Gravel/Conglomerate

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

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	L 01330		SW	SE	35	11S	33E	631947.0	3687312.0 *	

* UTM location was derived from PLSS - see [Help](#)

Driller License:	33	Driller Company:	TATUM CLAUDE E.		
Driller Name:	TATUM, CLAUDE E.				
Drill Start Date:	1951-12-20	Drill Finish Date:	1951-12-21	Plug Date:	1954-08-31
Log File Date:	1952-02-18	PCW Rcv Date:	1953-02-24	Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	6.63	Depth Well:	115	Depth Water:	55

Water Bearing Stratifications:


Top	Bottom	Description
25	55	Sandstone/Gravel/Conglomerate
55	110	Sandstone/Gravel/Conglomerate
110	115	Sandstone/Gravel/Conglomerate

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Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	L 01396		NE	NW	02	12S	33E	631552.0	3686905.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	33	Driller Company:	TATUM CLAUDE E.		
Driller Name:	TATUM, CLAUDE E.				
Drill Start Date:	1952-03-05	Drill Finish Date:	1952-03-06	Plug Date:	1952-11-13
Log File Date:	1952-04-03	PCW Rcv Date:	1953-10-22	Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	6.00	Depth Well:	126	Depth Water:	45

Water Bearing Stratifications:

Top	Bottom	Description
45	126	Sandstone/Gravel/Conglomerate


Casing Perforations:

Top	Bottom
100	126

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Point of Diversion Summary

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

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
L 03411	NE	NE	NW	02	12S	33E	631651.0	3687004.0 *		

* UTM location was derived from PLSS - see Help

Driller License:	183	Driller Company:	CAYTON WATER WELL DRILLING CO		
Driller Name:	JACK CLAYTON				
Drill Start Date:	1957-01-28	Drill Finish Date:	1957-01-30	Plug Date:	
Log File Date:	1957-02-21	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	121	Depth Water:	50

Water Bearing Stratifications:

Top	Bottom	Description
50	70	Sandstone/Gravel/Conglomerate
90	105	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
50	121

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4/10/25 12:54 PM MST

Point of Diversion Summary

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Appendix B: NMSLO Cultural Resources Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



Appendix C: Biological Desktop Review

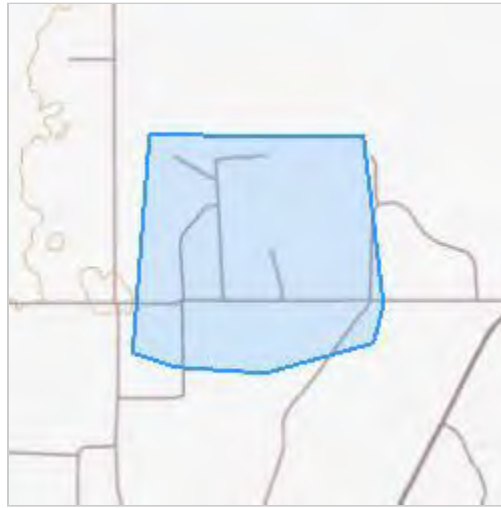
Project code: 2025-0081805

04/10/2025 20:04:51 UTC

PROJECT SUMMARY

Project Code: 2025-0081805
Project Name: Bagley SWD #004
Project Type: Non-NPL Site Remediation
Project Description: Soil remediation
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@33.31675815,-103.58720367585516,14z>



Counties: Lea County, New Mexico

Project code: 2025-0081805

04/10/2025 20:04:51 UTC

BIRDS

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

INSECTS

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

CRITICAL HABITATS

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

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



Appendix D – Laboratory Report and Chain-of-Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Cindy Crain
Crain Environmental
2925 E. 17th St.
Odessa, Texas 79761
Generated 7/3/2025 8:53:51 AM

JOB DESCRIPTION

Bagley #4 SWD-Area 5
Lea Co., NM

JOB NUMBER

880-59788-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/3/2025 8:53:51 AM

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

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Laboratory Job ID: 880-59788-1
SDG: Lea Co., NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.
☼	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: Bagley #4 SWD-Area 5

Job ID: 880-59788-1

Job ID: 880-59788-1

Eurofins Midland

Job Narrative 880-59788-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/26/2025 12:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.5°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-113155 and 880-113179 and analytical batch 880-113216 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4 (880-59788-4), S-6 (880-59788-6), B-7 (880-59788-17), B-8 (880-59788-18) and B-10 (880-59788-20). 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.

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-113182 and analytical batch 880-113436 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113182 and analytical batch 880-113436 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCD) recovery is within acceptance limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113181 and analytical batch 880-113522 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113200 and analytical batch 880-113282 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-1

Lab Sample ID: 880-59788-1

Date Collected: 06/24/25 16:30

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/28/25 00:08	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/28/25 00:08	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/28/25 00:08	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:15	06/28/25 00:08	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 15:15	06/28/25 00:08	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:15	06/28/25 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/26/25 15:15	06/28/25 00:08	1
1,4-Difluorobenzene (Surr)	104		70 - 130	06/26/25 15:15	06/28/25 00:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			06/28/25 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.4	J	50.0	15.1	mg/Kg			07/02/25 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		06/26/25 15:25	07/02/25 12:16	1
Diesel Range Organics (Over C10-C28)	15.4	J	50.0	15.1	mg/Kg		06/26/25 15:25	07/02/25 12:16	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:25	07/02/25 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/26/25 15:25	07/02/25 12:16	1
o-Terphenyl	100		70 - 130	06/26/25 15:25	07/02/25 12:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		9.98	0.394	mg/Kg			06/28/25 08:01	1

Client Sample ID: S-2

Lab Sample ID: 880-59788-2

Date Collected: 06/24/25 16:32

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/28/25 00:28	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/28/25 00:28	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/28/25 00:28	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		06/26/25 15:15	06/28/25 00:28	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 15:15	06/28/25 00:28	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		06/26/25 15:15	06/28/25 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	06/26/25 15:15	06/28/25 00:28	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-2

Lab Sample ID: 880-59788-2

Date Collected: 06/24/25 16:32

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	112		70 - 130	06/26/25 15:15	06/28/25 00:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			06/28/25 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:25	07/02/25 12:32	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 12:32	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/26/25 15:25	07/02/25 12:32	1
o-Terphenyl	98		70 - 130				06/26/25 15:25	07/02/25 12:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		10.0	0.397	mg/Kg			06/28/25 08:23	1

Client Sample ID: S-3

Lab Sample ID: 880-59788-3

Date Collected: 06/24/25 16:34

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/28/25 00:49	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/28/25 00:49	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/28/25 00:49	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:15	06/28/25 00:49	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		06/26/25 15:15	06/28/25 00:49	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:15	06/28/25 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	06/26/25 15:15	06/28/25 00:49	1
1,4-Difluorobenzene (Surr)	118		70 - 130	06/26/25 15:15	06/28/25 00:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			06/28/25 00:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			07/02/25 12:47	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-3

Lab Sample ID: 880-59788-3

Date Collected: 06/24/25 16:34

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		06/26/25 15:25	07/02/25 12:47	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		06/26/25 15:25	07/02/25 12:47	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		06/26/25 15:25	07/02/25 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/26/25 15:25	07/02/25 12:47	1
o-Terphenyl	97		70 - 130				06/26/25 15:25	07/02/25 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		10.0	0.396	mg/Kg			06/28/25 08:30	1

Client Sample ID: S-4

Lab Sample ID: 880-59788-4

Date Collected: 06/24/25 16:36

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		06/26/25 15:15	06/28/25 01:09	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/26/25 15:15	06/28/25 01:09	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		06/26/25 15:15	06/28/25 01:09	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		06/26/25 15:15	06/28/25 01:09	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		06/26/25 15:15	06/28/25 01:09	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		06/26/25 15:15	06/28/25 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				06/26/25 15:15	06/28/25 01:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130				06/26/25 15:15	06/28/25 01:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			06/28/25 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:25	07/02/25 13:19	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 13:19	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/26/25 15:25	07/02/25 13:19	1
o-Terphenyl	98		70 - 130				06/26/25 15:25	07/02/25 13:19	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-4

Lab Sample ID: 880-59788-4

Date Collected: 06/24/25 16:36

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.9		9.94	0.393	mg/Kg			06/28/25 08:37	1

Client Sample ID: S-5

Lab Sample ID: 880-59788-5

Date Collected: 06/24/25 16:38

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		06/26/25 15:15	06/28/25 01:30	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/26/25 15:15	06/28/25 01:30	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		06/26/25 15:15	06/28/25 01:30	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		06/26/25 15:15	06/28/25 01:30	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		06/26/25 15:15	06/28/25 01:30	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		06/26/25 15:15	06/28/25 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				06/26/25 15:15	06/28/25 01:30	1
1,4-Difluorobenzene (Surr)	108		70 - 130				06/26/25 15:15	06/28/25 01:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			06/28/25 01:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	30.5	J	49.9	15.1	mg/Kg			07/02/25 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		06/26/25 15:25	07/02/25 14:49	1
Diesel Range Organics (Over C10-C28)	30.5	J	49.9	15.1	mg/Kg		06/26/25 15:25	07/02/25 14:49	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		06/26/25 15:25	07/02/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/26/25 15:25	07/02/25 14:49	1
o-Terphenyl	95		70 - 130				06/26/25 15:25	07/02/25 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.4		9.96	0.393	mg/Kg			06/28/25 08:44	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-6

Lab Sample ID: 880-59788-6

Date Collected: 06/24/25 16:40

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg	-	06/26/25 15:15	06/28/25 01:50	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg	-	06/26/25 15:15	06/28/25 01:50	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg	-	06/26/25 15:15	06/28/25 01:50	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg	-	06/26/25 15:15	06/28/25 01:50	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg	-	06/26/25 15:15	06/28/25 01:50	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg	-	06/26/25 15:15	06/28/25 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	06/26/25 15:15	06/28/25 01:50	1
1,4-Difluorobenzene (Surr)	112		70 - 130	06/26/25 15:15	06/28/25 01:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg	-		06/28/25 01:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg	-		07/02/25 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg	-	06/26/25 15:25	07/02/25 15:04	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	06/26/25 15:25	07/02/25 15:04	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	06/26/25 15:25	07/02/25 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/26/25 15:25	07/02/25 15:04	1
o-Terphenyl	94		70 - 130	06/26/25 15:25	07/02/25 15:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		9.92	0.392	mg/Kg	-		06/28/25 08:51	1

Client Sample ID: B-1

Lab Sample ID: 880-59788-7

Date Collected: 06/24/25 16:42

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg	-	06/26/25 15:15	06/28/25 02:11	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	06/26/25 15:15	06/28/25 02:11	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	06/26/25 15:15	06/28/25 02:11	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg	-	06/26/25 15:15	06/28/25 02:11	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	-	06/26/25 15:15	06/28/25 02:11	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg	-	06/26/25 15:15	06/28/25 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	06/26/25 15:15	06/28/25 02:11	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-1

Lab Sample ID: 880-59788-7

Date Collected: 06/24/25 16:42

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	109		70 - 130	06/26/25 15:15	06/28/25 02:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			06/28/25 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/02/25 15:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		06/26/25 15:25	07/02/25 15:19	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:25	07/02/25 15:19	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:25	07/02/25 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/26/25 15:25	07/02/25 15:19	1
o-Terphenyl	92		70 - 130				06/26/25 15:25	07/02/25 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.6		9.90	0.391	mg/Kg			06/28/25 08:59	1

Client Sample ID: B-2

Lab Sample ID: 880-59788-8

Date Collected: 06/24/25 16:44

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/28/25 02:31	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/28/25 02:31	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/28/25 02:31	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:15	06/28/25 02:31	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		06/26/25 15:15	06/28/25 02:31	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:15	06/28/25 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/26/25 15:15	06/28/25 02:31	1
1,4-Difluorobenzene (Surr)	108		70 - 130	06/26/25 15:15	06/28/25 02:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			06/28/25 02:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.0	J	49.7	15.0	mg/Kg			07/02/25 15:36	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-2

Lab Sample ID: 880-59788-8

Date Collected: 06/24/25 16:44

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		06/26/25 15:25	07/02/25 15:36	1
Diesel Range Organics (Over C10-C28)	16.0	J	49.7	15.0	mg/Kg		06/26/25 15:25	07/02/25 15:36	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		06/26/25 15:25	07/02/25 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/26/25 15:25	07/02/25 15:36	1
o-Terphenyl	93		70 - 130				06/26/25 15:25	07/02/25 15:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.7		9.96	0.393	mg/Kg			06/27/25 19:37	1

Client Sample ID: S-7

Lab Sample ID: 880-59788-9

Date Collected: 06/24/25 16:46

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		06/26/25 15:15	06/28/25 02:52	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/26/25 15:15	06/28/25 02:52	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		06/26/25 15:15	06/28/25 02:52	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		06/26/25 15:15	06/28/25 02:52	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		06/26/25 15:15	06/28/25 02:52	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		06/26/25 15:15	06/28/25 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				06/26/25 15:15	06/28/25 02:52	1
1,4-Difluorobenzene (Surr)	112		70 - 130				06/26/25 15:15	06/28/25 02:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			06/28/25 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:25	07/02/25 15:52	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 15:52	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/26/25 15:25	07/02/25 15:52	1
o-Terphenyl	98		70 - 130				06/26/25 15:25	07/02/25 15:52	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-7

Lab Sample ID: 880-59788-9

Date Collected: 06/24/25 16:46

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.4		9.94	0.393	mg/Kg			06/27/25 19:54	1

Client Sample ID: S-8

Lab Sample ID: 880-59788-10

Date Collected: 06/24/25 16:48

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		06/26/25 15:15	06/28/25 03:12	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/26/25 15:15	06/28/25 03:12	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		06/26/25 15:15	06/28/25 03:12	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		06/26/25 15:15	06/28/25 03:12	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		06/26/25 15:15	06/28/25 03:12	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		06/26/25 15:15	06/28/25 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/26/25 15:15	06/28/25 03:12	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/26/25 15:15	06/28/25 03:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			06/28/25 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:25	07/02/25 16:07	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 16:07	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/26/25 15:25	07/02/25 16:07	1
o-Terphenyl	94		70 - 130				06/26/25 15:25	07/02/25 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.0		10.0	0.397	mg/Kg			06/27/25 20:00	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-9

Lab Sample ID: 880-59788-11

Date Collected: 06/24/25 16:50

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg		06/26/25 15:15	06/28/25 05:02	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/26/25 15:15	06/28/25 05:02	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		06/26/25 15:15	06/28/25 05:02	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg		06/26/25 15:15	06/28/25 05:02	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg		06/26/25 15:15	06/28/25 05:02	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg		06/26/25 15:15	06/28/25 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/26/25 15:15	06/28/25 05:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/26/25 15:15	06/28/25 05:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			06/28/25 05:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22.0	J	49.9	15.1	mg/Kg			07/02/25 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		06/26/25 15:25	07/02/25 16:24	1
Diesel Range Organics (Over C10-C28)	22.0	J	49.9	15.1	mg/Kg		06/26/25 15:25	07/02/25 16:24	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		06/26/25 15:25	07/02/25 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/26/25 15:25	07/02/25 16:24	1
o-Terphenyl	94		70 - 130	06/26/25 15:25	07/02/25 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.6		10.0	0.396	mg/Kg			06/27/25 20:06	1

Client Sample ID: S-10

Lab Sample ID: 880-59788-12

Date Collected: 06/24/25 16:52

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		06/26/25 15:15	06/28/25 05:22	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/26/25 15:15	06/28/25 05:22	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		06/26/25 15:15	06/28/25 05:22	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		06/26/25 15:15	06/28/25 05:22	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		06/26/25 15:15	06/28/25 05:22	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		06/26/25 15:15	06/28/25 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/26/25 15:15	06/28/25 05:22	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-10

Lab Sample ID: 880-59788-12

Date Collected: 06/24/25 16:52

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	06/26/25 15:15	06/28/25 05:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			06/28/25 05:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/02/25 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		06/26/25 15:25	07/02/25 16:40	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:25	07/02/25 16:40	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:25	07/02/25 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/26/25 15:25	07/02/25 16:40	1
o-Terphenyl	91		70 - 130				06/26/25 15:25	07/02/25 16:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.7		9.98	0.394	mg/Kg			06/27/25 20:11	1

Client Sample ID: B-3

Lab Sample ID: 880-59788-13

Date Collected: 06/24/25 16:54

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/28/25 05:43	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/28/25 05:43	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/28/25 05:43	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		06/26/25 15:15	06/28/25 05:43	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 15:15	06/28/25 05:43	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		06/26/25 15:15	06/28/25 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	06/26/25 15:15	06/28/25 05:43	1
1,4-Difluorobenzene (Surr)	111		70 - 130	06/26/25 15:15	06/28/25 05:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			06/28/25 05:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 16:55	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-3

Lab Sample ID: 880-59788-13

Date Collected: 06/24/25 16:54

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:25	07/02/25 16:55	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 16:55	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:25	07/02/25 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/26/25 15:25	07/02/25 16:55	1
o-Terphenyl	95		70 - 130				06/26/25 15:25	07/02/25 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.4		9.92	0.392	mg/Kg			06/27/25 20:29	1

Client Sample ID: B-4

Lab Sample ID: 880-59788-14

Date Collected: 06/24/25 17:48

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		06/26/25 15:15	06/28/25 06:03	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/26/25 15:15	06/28/25 06:03	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		06/26/25 15:15	06/28/25 06:03	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		06/26/25 15:15	06/28/25 06:03	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		06/26/25 15:15	06/28/25 06:03	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		06/26/25 15:15	06/28/25 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				06/26/25 15:15	06/28/25 06:03	1
1,4-Difluorobenzene (Surr)	110		70 - 130				06/26/25 15:15	06/28/25 06:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			06/28/25 06:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/02/25 01:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	50.0	14.5	mg/Kg		06/26/25 15:27	07/02/25 01:38	1
Diesel Range Organics (Over C10-C28)	<15.1	U F1	50.0	15.1	mg/Kg		06/26/25 15:27	07/02/25 01:38	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:27	07/02/25 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				06/26/25 15:27	07/02/25 01:38	1
o-Terphenyl	123		70 - 130				06/26/25 15:27	07/02/25 01:38	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-4

Lab Sample ID: 880-59788-14

Date Collected: 06/24/25 17:48

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.6		9.94	0.393	mg/Kg			06/27/25 20:34	1

Client Sample ID: B-5

Lab Sample ID: 880-59788-15

Date Collected: 06/24/25 17:51

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/28/25 06:24	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/28/25 06:24	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/28/25 06:24	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:15	06/28/25 06:24	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		06/26/25 15:15	06/28/25 06:24	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:15	06/28/25 06:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				06/26/25 15:15	06/28/25 06:24	1
1,4-Difluorobenzene (Surr)	108		70 - 130				06/26/25 15:15	06/28/25 06:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			06/28/25 06:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/02/25 02:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		06/26/25 15:27	07/02/25 02:21	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:27	07/02/25 02:21	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:27	07/02/25 02:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/26/25 15:27	07/02/25 02:21	1
o-Terphenyl	120		70 - 130				06/26/25 15:27	07/02/25 02:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.4		10.1	0.397	mg/Kg			06/27/25 20:40	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-6

Lab Sample ID: 880-59788-16

Date Collected: 06/24/25 17:54

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg	-	06/26/25 15:15	06/28/25 06:44	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	06/26/25 15:15	06/28/25 06:44	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg	-	06/26/25 15:15	06/28/25 06:44	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg	-	06/26/25 15:15	06/28/25 06:44	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg	-	06/26/25 15:15	06/28/25 06:44	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg	-	06/26/25 15:15	06/28/25 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	06/26/25 15:15	06/28/25 06:44	1
1,4-Difluorobenzene (Surr)	112		70 - 130	06/26/25 15:15	06/28/25 06:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg	-		06/28/25 06:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg	-		07/02/25 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg	-	06/26/25 15:27	07/02/25 02:36	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	06/26/25 15:27	07/02/25 02:36	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	06/26/25 15:27	07/02/25 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	06/26/25 15:27	07/02/25 02:36	1
o-Terphenyl	121		70 - 130	06/26/25 15:27	07/02/25 02:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.0		10.1	0.397	mg/Kg	-		06/27/25 20:46	1

Client Sample ID: B-7

Lab Sample ID: 880-59788-17

Date Collected: 06/24/25 17:57

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg	-	06/26/25 15:15	06/28/25 07:04	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg	-	06/26/25 15:15	06/28/25 07:04	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg	-	06/26/25 15:15	06/28/25 07:04	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg	-	06/26/25 15:15	06/28/25 07:04	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg	-	06/26/25 15:15	06/28/25 07:04	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg	-	06/26/25 15:15	06/28/25 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	06/26/25 15:15	06/28/25 07:04	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-7

Lab Sample ID: 880-59788-17

Date Collected: 06/24/25 17:57

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107		70 - 130	06/26/25 15:15	06/28/25 07:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			06/28/25 07:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			07/02/25 02:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		06/26/25 15:27	07/02/25 02:51	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		06/26/25 15:27	07/02/25 02:51	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		06/26/25 15:27	07/02/25 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/26/25 15:27	07/02/25 02:51	1
o-Terphenyl	123		70 - 130				06/26/25 15:27	07/02/25 02:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.8		10.0	0.397	mg/Kg			06/27/25 20:51	1

Client Sample ID: B-8

Lab Sample ID: 880-59788-18

Date Collected: 06/24/25 18:00

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		06/26/25 15:15	06/28/25 07:25	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/26/25 15:15	06/28/25 07:25	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		06/26/25 15:15	06/28/25 07:25	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		06/26/25 15:15	06/28/25 07:25	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		06/26/25 15:15	06/28/25 07:25	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		06/26/25 15:15	06/28/25 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	06/26/25 15:15	06/28/25 07:25	1
1,4-Difluorobenzene (Surr)	115		70 - 130	06/26/25 15:15	06/28/25 07:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			06/28/25 07:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 03:06	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-8

Lab Sample ID: 880-59788-18

Date Collected: 06/24/25 18:00

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:27	07/02/25 03:06	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:27	07/02/25 03:06	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:27	07/02/25 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/26/25 15:27	07/02/25 03:06	1
o-Terphenyl	113		70 - 130				06/26/25 15:27	07/02/25 03:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.1		9.98	0.394	mg/Kg			06/27/25 20:57	1

Client Sample ID: B-9

Lab Sample ID: 880-59788-19

Date Collected: 06/24/25 18:03

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/28/25 07:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/28/25 07:45	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/28/25 07:45	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:15	06/28/25 07:45	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 15:15	06/28/25 07:45	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:15	06/28/25 07:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				06/26/25 15:15	06/28/25 07:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/26/25 15:15	06/28/25 07:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			06/28/25 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 03:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:27	07/02/25 03:20	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:27	07/02/25 03:20	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:27	07/02/25 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/26/25 15:27	07/02/25 03:20	1
o-Terphenyl	120		70 - 130				06/26/25 15:27	07/02/25 03:20	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-9

Lab Sample ID: 880-59788-19

Date Collected: 06/24/25 18:03

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.0		10.1	0.398	mg/Kg			06/27/25 21:14	1

Client Sample ID: B-10

Lab Sample ID: 880-59788-20

Date Collected: 06/24/25 18:06

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/28/25 08:06	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/28/25 08:06	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/28/25 08:06	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:15	06/28/25 08:06	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		06/26/25 15:15	06/28/25 08:06	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:15	06/28/25 08:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				06/26/25 15:15	06/28/25 08:06	1
1,4-Difluorobenzene (Surr)	118		70 - 130				06/26/25 15:15	06/28/25 08:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			06/28/25 08:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			07/02/25 03:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		06/26/25 15:27	07/02/25 03:35	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		06/26/25 15:27	07/02/25 03:35	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		06/26/25 15:27	07/02/25 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				06/26/25 15:27	07/02/25 03:35	1
o-Terphenyl	119		70 - 130				06/26/25 15:27	07/02/25 03:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.7		10.1	0.399	mg/Kg			06/27/25 21:20	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-11

Lab Sample ID: 880-59788-21

Date Collected: 06/24/25 17:30

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg	-	06/26/25 15:18	06/28/25 04:11	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	-	06/26/25 15:18	06/28/25 04:11	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	-	06/26/25 15:18	06/28/25 04:11	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg	-	06/26/25 15:18	06/28/25 04:11	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg	-	06/26/25 15:18	06/28/25 04:11	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg	-	06/26/25 15:18	06/28/25 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/26/25 15:18	06/28/25 04:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/26/25 15:18	06/28/25 04:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg	-		06/28/25 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg	-		07/02/25 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg	-	06/26/25 15:27	07/02/25 03:49	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	-	06/26/25 15:27	07/02/25 03:49	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg	-	06/26/25 15:27	07/02/25 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	06/26/25 15:27	07/02/25 03:49	1
o-Terphenyl	117		70 - 130	06/26/25 15:27	07/02/25 03:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.3		10.0	0.396	mg/Kg	-		06/27/25 21:37	1

Client Sample ID: S-12

Lab Sample ID: 880-59788-22

Date Collected: 06/24/25 17:33

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00199	0.00139	mg/Kg	-	06/26/25 15:18	06/28/25 04:31	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	-	06/26/25 15:18	06/28/25 04:31	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg	-	06/26/25 15:18	06/28/25 04:31	1
m-Xylene & p-Xylene	<0.00228	U	0.00398	0.00228	mg/Kg	-	06/26/25 15:18	06/28/25 04:31	1
o-Xylene	<0.00158	U	0.00199	0.00158	mg/Kg	-	06/26/25 15:18	06/28/25 04:31	1
Xylenes, Total	<0.00228	U	0.00398	0.00228	mg/Kg	-	06/26/25 15:18	06/28/25 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/26/25 15:18	06/28/25 04:31	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-12

Lab Sample ID: 880-59788-22

Date Collected: 06/24/25 17:33

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1.8'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	06/26/25 15:18	06/28/25 04:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00398	0.00228	mg/Kg			06/28/25 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			07/02/25 04:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		06/26/25 15:27	07/02/25 04:03	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		06/26/25 15:27	07/02/25 04:03	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		06/26/25 15:27	07/02/25 04:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				06/26/25 15:27	07/02/25 04:03	1
o-Terphenyl	120		70 - 130				06/26/25 15:27	07/02/25 04:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.4		9.98	0.394	mg/Kg			06/27/25 21:42	1

Client Sample ID: S-13

Lab Sample ID: 880-59788-23

Date Collected: 06/24/25 17:36

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		06/26/25 15:18	06/28/25 04:52	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/26/25 15:18	06/28/25 04:52	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		06/26/25 15:18	06/28/25 04:52	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		06/26/25 15:18	06/28/25 04:52	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		06/26/25 15:18	06/28/25 04:52	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		06/26/25 15:18	06/28/25 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/26/25 15:18	06/28/25 04:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/26/25 15:18	06/28/25 04:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			06/28/25 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			07/02/25 04:18	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-13

Lab Sample ID: 880-59788-23

Date Collected: 06/24/25 17:36

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1.8'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		06/26/25 15:27	07/02/25 04:18	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:27	07/02/25 04:18	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:27	07/02/25 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				06/26/25 15:27	07/02/25 04:18	1
o-Terphenyl	125		70 - 130				06/26/25 15:27	07/02/25 04:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.1		9.96	0.393	mg/Kg			06/27/25 21:48	1

Client Sample ID: S-14

Lab Sample ID: 880-59788-24

Date Collected: 06/24/25 17:39

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		06/26/25 15:18	06/28/25 05:12	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/26/25 15:18	06/28/25 05:12	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		06/26/25 15:18	06/28/25 05:12	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		06/26/25 15:18	06/28/25 05:12	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		06/26/25 15:18	06/28/25 05:12	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		06/26/25 15:18	06/28/25 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/26/25 15:18	06/28/25 05:12	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/26/25 15:18	06/28/25 05:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			06/28/25 05:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 04:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:27	07/02/25 04:46	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:27	07/02/25 04:46	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:27	07/02/25 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				06/26/25 15:27	07/02/25 04:46	1
o-Terphenyl	118		70 - 130				06/26/25 15:27	07/02/25 04:46	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-14

Lab Sample ID: 880-59788-24

Date Collected: 06/24/25 17:39

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1.8'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.4		10.0	0.395	mg/Kg			06/27/25 21:54	1

Client Sample ID: S-15

Lab Sample ID: 880-59788-25

Date Collected: 06/24/25 17:41

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:18	06/28/25 05:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:18	06/28/25 05:32	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:18	06/28/25 05:32	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:18	06/28/25 05:32	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 15:18	06/28/25 05:32	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:18	06/28/25 05:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/26/25 15:18	06/28/25 05:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/26/25 15:18	06/28/25 05:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			06/28/25 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			07/02/25 05:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		06/26/25 15:27	07/02/25 05:01	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:27	07/02/25 05:01	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		06/26/25 15:27	07/02/25 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				06/26/25 15:27	07/02/25 05:01	1
o-Terphenyl	118		70 - 130				06/26/25 15:27	07/02/25 05:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.6		10.0	0.397	mg/Kg			06/27/25 21:59	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-16

Lab Sample ID: 880-59788-26

Date Collected: 06/24/25 17:44

Matrix: Solid

Date Received: 06/26/25 12:26

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:18	06/28/25 05:53	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:18	06/28/25 05:53	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:18	06/28/25 05:53	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:18	06/28/25 05:53	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg		06/26/25 15:18	06/28/25 05:53	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg		06/26/25 15:18	06/28/25 05:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/26/25 15:18	06/28/25 05:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/26/25 15:18	06/28/25 05:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			06/28/25 05:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			07/02/25 05:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		06/26/25 15:27	07/02/25 05:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		06/26/25 15:27	07/02/25 05:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		06/26/25 15:27	07/02/25 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	06/26/25 15:27	07/02/25 05:16	1
o-Terphenyl	116		70 - 130	06/26/25 15:27	07/02/25 05:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.4		10.0	0.396	mg/Kg			06/27/25 22:05	1

Surrogate Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
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)
880-59766-A-1-C MS	Matrix Spike	94	93
880-59766-A-1-D MSD	Matrix Spike Duplicate	92	89
880-59788-1	S-1	90	104
880-59788-1 MS	S-1	103	98
880-59788-1 MSD	S-1	101	99
880-59788-2	S-2	120	112
880-59788-3	S-3	117	118
880-59788-4	S-4	133 S1+	110
880-59788-5	S-5	124	108
880-59788-6	S-6	133 S1+	112
880-59788-7	B-1	123	109
880-59788-8	B-2	124	108
880-59788-9	S-7	127	112
880-59788-10	S-8	115	102
880-59788-11	S-9	97	98
880-59788-12	S-10	124	108
880-59788-13	B-3	125	111
880-59788-14	B-4	126	110
880-59788-15	B-5	128	108
880-59788-16	B-6	129	112
880-59788-17	B-7	132 S1+	107
880-59788-18	B-8	134 S1+	115
880-59788-19	B-9	125	102
880-59788-20	B-10	137 S1+	118
880-59788-21	S-11	109	97
880-59788-22	S-12	104	96
880-59788-23	S-13	109	96
880-59788-24	S-14	112	99
880-59788-25	S-15	112	97
880-59788-26	S-16	111	97
LCS 880-113179/1-A	Lab Control Sample	104	94
LCS 880-113180/1-A	Lab Control Sample	93	95
LCSD 880-113179/2-A	Lab Control Sample Dup	101	95
LCSD 880-113180/2-A	Lab Control Sample Dup	93	93
MB 880-113153/5-A	Method Blank	91	89
MB 880-113155/5-A	Method Blank	152 S1+	88
MB 880-113179/5-A	Method Blank	160 S1+	99
MB 880-113180/5-A	Method Blank	96	91
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)
880-59787-A-1-C MS	Matrix Spike	103	94

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Surrogate Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
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)
880-59787-A-1-D MSD	Matrix Spike Duplicate	87	94
880-59788-1	S-1	101	100
880-59788-2	S-2	100	98
880-59788-3	S-3	99	97
880-59788-4	S-4	101	98
880-59788-5	S-5	95	95
880-59788-6	S-6	97	94
880-59788-7	B-1	95	92
880-59788-8	B-2	94	93
880-59788-9	S-7	97	98
880-59788-10	S-8	95	94
880-59788-11	S-9	95	94
880-59788-12	S-10	95	91
880-59788-13	B-3	97	95
880-59788-14	B-4	115	123
880-59788-14 MS	B-4	126	123
880-59788-14 MSD	B-4	124	122
880-59788-15	B-5	114	120
880-59788-16	B-6	115	121
880-59788-17	B-7	117	123
880-59788-18	B-8	109	113
880-59788-19	B-9	114	120
880-59788-20	B-10	113	119
880-59788-21	S-11	110	117
880-59788-22	S-12	111	120
880-59788-23	S-13	119	125
880-59788-24	S-14	113	118
880-59788-25	S-15	112	118
880-59788-26	S-16	110	116
LCS 880-113181/2-A	Lab Control Sample	111	127
LCS 880-113182/2-A	Lab Control Sample	87	94
LCSD 880-113181/3-A	Lab Control Sample Dup	111	129
LCSD 880-113182/3-A	Lab Control Sample Dup	84	91
MB 880-113181/1-A	Method Blank	102	107
MB 880-113182/1-A	Method Blank	134 S1+	154 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113153/5-A

Matrix: Solid

Analysis Batch: 113212

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 12:27	06/27/25 11:26	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 12:27	06/27/25 11:26	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 12:27	06/27/25 11:26	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 12:27	06/27/25 11:26	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 12:27	06/27/25 11:26	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 12:27	06/27/25 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/26/25 12:27	06/27/25 11:26	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/26/25 12:27	06/27/25 11:26	1

Lab Sample ID: MB 880-113155/5-A

Matrix: Solid

Analysis Batch: 113216

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 12:40	06/27/25 12:02	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 12:40	06/27/25 12:02	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 12:40	06/27/25 12:02	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 12:40	06/27/25 12:02	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 12:40	06/27/25 12:02	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 12:40	06/27/25 12:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	06/26/25 12:40	06/27/25 12:02	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/26/25 12:40	06/27/25 12:02	1

Lab Sample ID: MB 880-113179/5-A

Matrix: Solid

Analysis Batch: 113216

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113179

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:15	06/27/25 23:39	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:15	06/27/25 23:39	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:15	06/27/25 23:39	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:15	06/27/25 23:39	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 15:15	06/27/25 23:39	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:15	06/27/25 23:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130	06/26/25 15:15	06/27/25 23:39	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/26/25 15:15	06/27/25 23:39	1

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QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

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

Lab Sample ID: LCS 880-113179/1-A

Matrix: Solid

Analysis Batch: 113216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09315		mg/Kg		93	70 - 130
Toluene	0.100	0.09368		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2044		mg/Kg		102	70 - 130
o-Xylene	0.100	0.09983		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-113179/2-A

Matrix: Solid

Analysis Batch: 113216

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113179

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08838		mg/Kg		88	70 - 130	5	35
Toluene	0.100	0.08794		mg/Kg		88	70 - 130	6	35
Ethylbenzene	0.100	0.09626		mg/Kg		96	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1901		mg/Kg		95	70 - 130	7	35
o-Xylene	0.100	0.09320		mg/Kg		93	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-59788-1 MS

Matrix: Solid

Analysis Batch: 113216

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 113179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.08398		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.08342		mg/Kg		83	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.08185		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1768		mg/Kg		88	70 - 130
o-Xylene	<0.00158	U	0.100	0.08808		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-59788-1 MSD

Matrix: Solid

Analysis Batch: 113216

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 113179

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.08819		mg/Kg		88	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08758		mg/Kg		88	70 - 130	5	35
Ethylbenzene	<0.00109	U	0.100	0.08985		mg/Kg		90	70 - 130	9	35

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QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-59788-1 MSD

Matrix: Solid

Analysis Batch: 113216

Client Sample ID: S-1

Prep Type: Total/NA

Prep Batch: 113179

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1760		mg/Kg		88	70 - 130	0	35
o-Xylene	<0.00158	U	0.100	0.08141		mg/Kg		81	70 - 130	8	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

Lab Sample ID: MB 880-113180/5-A

Matrix: Solid

Analysis Batch: 113212

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/26/25 15:18	06/27/25 22:01	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/26/25 15:18	06/27/25 22:01	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/26/25 15:18	06/27/25 22:01	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:18	06/27/25 22:01	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/26/25 15:18	06/27/25 22:01	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/26/25 15:18	06/27/25 22:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				06/26/25 15:18	06/27/25 22:01	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/26/25 15:18	06/27/25 22:01	1

Lab Sample ID: LCS 880-113180/1-A

Matrix: Solid

Analysis Batch: 113212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1009		mg/Kg		101	70 - 130
Toluene	0.100	0.09070		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09288		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1863		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09429		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		70 - 130				
1,4-Difluorobenzene (Surr)	95		70 - 130				

Lab Sample ID: LCSD 880-113180/2-A

Matrix: Solid

Analysis Batch: 113212

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113180

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.09012		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.09309		mg/Kg		93	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1871		mg/Kg		94	70 - 130	0	35
o-Xylene	0.100	0.09498		mg/Kg		95	70 - 130	1	35

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QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

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

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

Lab Sample ID: 880-59766-A-1-C MS

Matrix: Solid

Analysis Batch: 113212

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 113180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.08977		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.100	0.08049		mg/Kg		80	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.08072		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1623		mg/Kg		81	70 - 130
o-Xylene	<0.00158	U	0.100	0.08140		mg/Kg		81	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-59766-A-1-D MSD

Matrix: Solid

Analysis Batch: 113212

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 113180

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00139	U	0.100	0.08663		mg/Kg		87	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.07857		mg/Kg		79	70 - 130	2	35
Ethylbenzene	<0.00109	U	0.100	0.08066		mg/Kg		81	70 - 130	0	35
m-Xylene & p-Xylene	<0.00229	U	0.200	0.1625		mg/Kg		81	70 - 130	0	35
o-Xylene	<0.00158	U	0.100	0.08170		mg/Kg		82	70 - 130	0	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-113181/1-A

Matrix: Solid

Analysis Batch: 113522

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		06/26/25 15:22	07/02/25 07:34	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:22	07/02/25 07:34	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:22	07/02/25 07:34	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	102		70 - 130	06/26/25 15:22	07/02/25 07:34	1			
o-Terphenyl	107		70 - 130	06/26/25 15:22	07/02/25 07:34	1			

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QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

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

Lab Sample ID: LCS 880-113181/2-A

Matrix: Solid

Analysis Batch: 113522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	948.3		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1072		mg/Kg		107	70 - 130
	LCS %Recovery	LCS Qualifier	Limits				
Surrogate							
1-Chlorooctane	111		70 - 130				
o-Terphenyl	127		70 - 130				

Lab Sample ID: LCSD 880-113181/3-A

Matrix: Solid

Analysis Batch: 113522

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113181

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	935.1		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130	1	20
	LCSD %Recovery	LCSD Qualifier	Limits						
Surrogate									
1-Chlorooctane	111		70 - 130						
o-Terphenyl	129		70 - 130						

Lab Sample ID: 880-59787-A-1-C MS

Matrix: Solid

Analysis Batch: 113522

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 113181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	995	695.8		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U	995	816.2		mg/Kg		82	70 - 130
	MS %Recovery	MS Qualifier	Limits						
Surrogate									
1-Chlorooctane	103		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 880-59787-A-1-D MSD

Matrix: Solid

Analysis Batch: 113522

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 113181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	995	661.3	F1	mg/Kg		66	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<15.1	U	995	845.8		mg/Kg		85	70 - 130	4	20
	MSD %Recovery	MSD Qualifier	Limits								
Surrogate											
1-Chlorooctane	87		70 - 130								

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QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-59787-A-1-D MSD

Matrix: Solid

Analysis Batch: 113522

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 113181

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	94		70 - 130

Lab Sample ID: MB 880-113182/1-A

Matrix: Solid

Analysis Batch: 113436

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113182

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		06/26/25 15:22	07/02/25 00:52	1	
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:22	07/02/25 00:52	1	
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		06/26/25 15:22	07/02/25 00:52	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	134	S1+	70 - 130				06/26/25 15:22	07/02/25 00:52	1	
<i>o</i> -Terphenyl	154	S1+	70 - 130				06/26/25 15:22	07/02/25 00:52	1	

Lab Sample ID: LCS 880-113182/2-A

Matrix: Solid

Analysis Batch: 113436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113182

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	1178		mg/Kg		118	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1270		mg/Kg		127	70 - 130	
Surrogate	LCS	LCS								
	%Recovery	Qualifier	Limits							
1-Chlorooctane	87		70 - 130							
<i>o</i> -Terphenyl	94		70 - 130							

Lab Sample ID: LCSD 880-113182/3-A

Matrix: Solid

Analysis Batch: 113436

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113182

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1144		mg/Kg		114	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)			1000	1290		mg/Kg		129	70 - 130	2	20	
Surrogate	LCSD	LCSD										
	%Recovery	Qualifier	Limits									
1-Chlorooctane	84		70 - 130									
<i>o</i> -Terphenyl	91		70 - 130									

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QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-59788-14 MS

Matrix: Solid

Analysis Batch: 113436

Client Sample ID: B-4

Prep Type: Total/NA

Prep Batch: 113182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	998	564.4	F1	mg/Kg		57	70 - 130
Diesel Range Organics (Over C10-C28)	<15.1	U F1	998	648.8	F1	mg/Kg		65	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	126		70 - 130						
o-Terphenyl	123		70 - 130						

Lab Sample ID: 880-59788-14 MSD

Matrix: Solid

Analysis Batch: 113436

Client Sample ID: B-4

Prep Type: Total/NA

Prep Batch: 113182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	998	562.5	F1	mg/Kg		56	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<15.1	U F1	998	641.8	F1	mg/Kg		64	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	124		70 - 130								
o-Terphenyl	122		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113196/1-A

Matrix: Solid

Analysis Batch: 113256

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			06/27/25 19:20	1

Lab Sample ID: LCS 880-113196/2-A

Matrix: Solid

Analysis Batch: 113256

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.2		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-113196/3-A

Matrix: Solid

Analysis Batch: 113256

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	239.1		mg/Kg		96	90 - 110	0	20

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QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-59788-8 MS

Matrix: Solid

Analysis Batch: 113256

Client Sample ID: B-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	74.7		249	316.5		mg/Kg		97	90 - 110		

Lab Sample ID: 880-59788-8 MSD

Matrix: Solid

Analysis Batch: 113256

Client Sample ID: B-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	74.7		249	316.3		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-59788-18 MS

Matrix: Solid

Analysis Batch: 113256

Client Sample ID: B-8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	82.1		250	345.8		mg/Kg		106	90 - 110		

Lab Sample ID: 880-59788-18 MSD

Matrix: Solid

Analysis Batch: 113256

Client Sample ID: B-8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	82.1		250	347.2		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-113200/1-A

Matrix: Solid

Analysis Batch: 113282

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			06/28/25 05:30	1

Lab Sample ID: LCS 880-113200/2-A

Matrix: Solid

Analysis Batch: 113282

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.8		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-113200/3-A

Matrix: Solid

Analysis Batch: 113282

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	259.9		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-59787-A-6-D MS

Matrix: Solid

Analysis Batch: 113282

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	86.7	F1	250	368.2	F1	mg/Kg		113	90 - 110		

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QC Sample Results

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-59787-A-6-E MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 113282												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	86.7	F1	250	366.6	F1	mg/Kg		112	90 - 110	0	20	

QC Association Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

GC VOA

Prep Batch: 113153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113153/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 113155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113155/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 113179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-1	S-1	Total/NA	Solid	5035	
880-59788-2	S-2	Total/NA	Solid	5035	
880-59788-3	S-3	Total/NA	Solid	5035	
880-59788-4	S-4	Total/NA	Solid	5035	
880-59788-5	S-5	Total/NA	Solid	5035	
880-59788-6	S-6	Total/NA	Solid	5035	
880-59788-7	B-1	Total/NA	Solid	5035	
880-59788-8	B-2	Total/NA	Solid	5035	
880-59788-9	S-7	Total/NA	Solid	5035	
880-59788-10	S-8	Total/NA	Solid	5035	
880-59788-11	S-9	Total/NA	Solid	5035	
880-59788-12	S-10	Total/NA	Solid	5035	
880-59788-13	B-3	Total/NA	Solid	5035	
880-59788-14	B-4	Total/NA	Solid	5035	
880-59788-15	B-5	Total/NA	Solid	5035	
880-59788-16	B-6	Total/NA	Solid	5035	
880-59788-17	B-7	Total/NA	Solid	5035	
880-59788-18	B-8	Total/NA	Solid	5035	
880-59788-19	B-9	Total/NA	Solid	5035	
880-59788-20	B-10	Total/NA	Solid	5035	
MB 880-113179/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113179/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113179/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-59788-1 MS	S-1	Total/NA	Solid	5035	
880-59788-1 MSD	S-1	Total/NA	Solid	5035	

Prep Batch: 113180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-21	S-11	Total/NA	Solid	5035	
880-59788-22	S-12	Total/NA	Solid	5035	
880-59788-23	S-13	Total/NA	Solid	5035	
880-59788-24	S-14	Total/NA	Solid	5035	
880-59788-25	S-15	Total/NA	Solid	5035	
880-59788-26	S-16	Total/NA	Solid	5035	
MB 880-113180/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113180/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113180/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-59766-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-59766-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 113212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-21	S-11	Total/NA	Solid	8021B	113180

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QC Association Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

GC VOA (Continued)

Analysis Batch: 113212 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-22	S-12	Total/NA	Solid	8021B	113180
880-59788-23	S-13	Total/NA	Solid	8021B	113180
880-59788-24	S-14	Total/NA	Solid	8021B	113180
880-59788-25	S-15	Total/NA	Solid	8021B	113180
880-59788-26	S-16	Total/NA	Solid	8021B	113180
MB 880-113153/5-A	Method Blank	Total/NA	Solid	8021B	113153
MB 880-113180/5-A	Method Blank	Total/NA	Solid	8021B	113180
LCS 880-113180/1-A	Lab Control Sample	Total/NA	Solid	8021B	113180
LCSD 880-113180/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113180
880-59766-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	113180
880-59766-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	113180

Analysis Batch: 113216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-1	S-1	Total/NA	Solid	8021B	113179
880-59788-2	S-2	Total/NA	Solid	8021B	113179
880-59788-3	S-3	Total/NA	Solid	8021B	113179
880-59788-4	S-4	Total/NA	Solid	8021B	113179
880-59788-5	S-5	Total/NA	Solid	8021B	113179
880-59788-6	S-6	Total/NA	Solid	8021B	113179
880-59788-7	B-1	Total/NA	Solid	8021B	113179
880-59788-8	B-2	Total/NA	Solid	8021B	113179
880-59788-9	S-7	Total/NA	Solid	8021B	113179
880-59788-10	S-8	Total/NA	Solid	8021B	113179
880-59788-11	S-9	Total/NA	Solid	8021B	113179
880-59788-12	S-10	Total/NA	Solid	8021B	113179
880-59788-13	B-3	Total/NA	Solid	8021B	113179
880-59788-14	B-4	Total/NA	Solid	8021B	113179
880-59788-15	B-5	Total/NA	Solid	8021B	113179
880-59788-16	B-6	Total/NA	Solid	8021B	113179
880-59788-17	B-7	Total/NA	Solid	8021B	113179
880-59788-18	B-8	Total/NA	Solid	8021B	113179
880-59788-19	B-9	Total/NA	Solid	8021B	113179
880-59788-20	B-10	Total/NA	Solid	8021B	113179
MB 880-113155/5-A	Method Blank	Total/NA	Solid	8021B	113155
MB 880-113179/5-A	Method Blank	Total/NA	Solid	8021B	113179
LCS 880-113179/1-A	Lab Control Sample	Total/NA	Solid	8021B	113179
LCSD 880-113179/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113179
880-59788-1 MS	S-1	Total/NA	Solid	8021B	113179
880-59788-1 MSD	S-1	Total/NA	Solid	8021B	113179

Analysis Batch: 113381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-1	S-1	Total/NA	Solid	Total BTEX	
880-59788-2	S-2	Total/NA	Solid	Total BTEX	
880-59788-3	S-3	Total/NA	Solid	Total BTEX	
880-59788-4	S-4	Total/NA	Solid	Total BTEX	
880-59788-5	S-5	Total/NA	Solid	Total BTEX	
880-59788-6	S-6	Total/NA	Solid	Total BTEX	
880-59788-7	B-1	Total/NA	Solid	Total BTEX	
880-59788-8	B-2	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

GC VOA (Continued)

Analysis Batch: 113381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-9	S-7	Total/NA	Solid	Total BTEX	
880-59788-10	S-8	Total/NA	Solid	Total BTEX	
880-59788-11	S-9	Total/NA	Solid	Total BTEX	
880-59788-12	S-10	Total/NA	Solid	Total BTEX	
880-59788-13	B-3	Total/NA	Solid	Total BTEX	
880-59788-14	B-4	Total/NA	Solid	Total BTEX	
880-59788-15	B-5	Total/NA	Solid	Total BTEX	
880-59788-16	B-6	Total/NA	Solid	Total BTEX	
880-59788-17	B-7	Total/NA	Solid	Total BTEX	
880-59788-18	B-8	Total/NA	Solid	Total BTEX	
880-59788-19	B-9	Total/NA	Solid	Total BTEX	
880-59788-20	B-10	Total/NA	Solid	Total BTEX	
880-59788-21	S-11	Total/NA	Solid	Total BTEX	
880-59788-22	S-12	Total/NA	Solid	Total BTEX	
880-59788-23	S-13	Total/NA	Solid	Total BTEX	
880-59788-24	S-14	Total/NA	Solid	Total BTEX	
880-59788-25	S-15	Total/NA	Solid	Total BTEX	
880-59788-26	S-16	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-1	S-1	Total/NA	Solid	8015NM Prep	
880-59788-2	S-2	Total/NA	Solid	8015NM Prep	
880-59788-3	S-3	Total/NA	Solid	8015NM Prep	
880-59788-4	S-4	Total/NA	Solid	8015NM Prep	
880-59788-5	S-5	Total/NA	Solid	8015NM Prep	
880-59788-6	S-6	Total/NA	Solid	8015NM Prep	
880-59788-7	B-1	Total/NA	Solid	8015NM Prep	
880-59788-8	B-2	Total/NA	Solid	8015NM Prep	
880-59788-9	S-7	Total/NA	Solid	8015NM Prep	
880-59788-10	S-8	Total/NA	Solid	8015NM Prep	
880-59788-11	S-9	Total/NA	Solid	8015NM Prep	
880-59788-12	S-10	Total/NA	Solid	8015NM Prep	
880-59788-13	B-3	Total/NA	Solid	8015NM Prep	
MB 880-113181/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113181/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-59787-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-59787-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 113182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-14	B-4	Total/NA	Solid	8015NM Prep	
880-59788-15	B-5	Total/NA	Solid	8015NM Prep	
880-59788-16	B-6	Total/NA	Solid	8015NM Prep	
880-59788-17	B-7	Total/NA	Solid	8015NM Prep	
880-59788-18	B-8	Total/NA	Solid	8015NM Prep	
880-59788-19	B-9	Total/NA	Solid	8015NM Prep	
880-59788-20	B-10	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

GC Semi VOA (Continued)

Prep Batch: 113182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-21	S-11	Total/NA	Solid	8015NM Prep	
880-59788-22	S-12	Total/NA	Solid	8015NM Prep	
880-59788-23	S-13	Total/NA	Solid	8015NM Prep	
880-59788-24	S-14	Total/NA	Solid	8015NM Prep	
880-59788-25	S-15	Total/NA	Solid	8015NM Prep	
880-59788-26	S-16	Total/NA	Solid	8015NM Prep	
MB 880-113182/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113182/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113182/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-59788-14 MS	B-4	Total/NA	Solid	8015NM Prep	
880-59788-14 MSD	B-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-14	B-4	Total/NA	Solid	8015B NM	113182
880-59788-15	B-5	Total/NA	Solid	8015B NM	113182
880-59788-16	B-6	Total/NA	Solid	8015B NM	113182
880-59788-17	B-7	Total/NA	Solid	8015B NM	113182
880-59788-18	B-8	Total/NA	Solid	8015B NM	113182
880-59788-19	B-9	Total/NA	Solid	8015B NM	113182
880-59788-20	B-10	Total/NA	Solid	8015B NM	113182
880-59788-21	S-11	Total/NA	Solid	8015B NM	113182
880-59788-22	S-12	Total/NA	Solid	8015B NM	113182
880-59788-23	S-13	Total/NA	Solid	8015B NM	113182
880-59788-24	S-14	Total/NA	Solid	8015B NM	113182
880-59788-25	S-15	Total/NA	Solid	8015B NM	113182
880-59788-26	S-16	Total/NA	Solid	8015B NM	113182
MB 880-113182/1-A	Method Blank	Total/NA	Solid	8015B NM	113182
LCS 880-113182/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113182
LCSD 880-113182/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113182
880-59788-14 MS	B-4	Total/NA	Solid	8015B NM	113182
880-59788-14 MSD	B-4	Total/NA	Solid	8015B NM	113182

Analysis Batch: 113522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-1	S-1	Total/NA	Solid	8015B NM	113181
880-59788-2	S-2	Total/NA	Solid	8015B NM	113181
880-59788-3	S-3	Total/NA	Solid	8015B NM	113181
880-59788-4	S-4	Total/NA	Solid	8015B NM	113181
880-59788-5	S-5	Total/NA	Solid	8015B NM	113181
880-59788-6	S-6	Total/NA	Solid	8015B NM	113181
880-59788-7	B-1	Total/NA	Solid	8015B NM	113181
880-59788-8	B-2	Total/NA	Solid	8015B NM	113181
880-59788-9	S-7	Total/NA	Solid	8015B NM	113181
880-59788-10	S-8	Total/NA	Solid	8015B NM	113181
880-59788-11	S-9	Total/NA	Solid	8015B NM	113181
880-59788-12	S-10	Total/NA	Solid	8015B NM	113181
880-59788-13	B-3	Total/NA	Solid	8015B NM	113181
MB 880-113181/1-A	Method Blank	Total/NA	Solid	8015B NM	113181
LCS 880-113181/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113181
LCSD 880-113181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113181

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

GC Semi VOA (Continued)

Analysis Batch: 113522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59787-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	113181
880-59787-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	113181

Analysis Batch: 113552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-1	S-1	Total/NA	Solid	8015 NM	
880-59788-2	S-2	Total/NA	Solid	8015 NM	
880-59788-3	S-3	Total/NA	Solid	8015 NM	
880-59788-4	S-4	Total/NA	Solid	8015 NM	
880-59788-5	S-5	Total/NA	Solid	8015 NM	
880-59788-6	S-6	Total/NA	Solid	8015 NM	
880-59788-7	B-1	Total/NA	Solid	8015 NM	
880-59788-8	B-2	Total/NA	Solid	8015 NM	
880-59788-9	S-7	Total/NA	Solid	8015 NM	
880-59788-10	S-8	Total/NA	Solid	8015 NM	
880-59788-11	S-9	Total/NA	Solid	8015 NM	
880-59788-12	S-10	Total/NA	Solid	8015 NM	
880-59788-13	B-3	Total/NA	Solid	8015 NM	
880-59788-14	B-4	Total/NA	Solid	8015 NM	
880-59788-15	B-5	Total/NA	Solid	8015 NM	
880-59788-16	B-6	Total/NA	Solid	8015 NM	
880-59788-17	B-7	Total/NA	Solid	8015 NM	
880-59788-18	B-8	Total/NA	Solid	8015 NM	
880-59788-19	B-9	Total/NA	Solid	8015 NM	
880-59788-20	B-10	Total/NA	Solid	8015 NM	
880-59788-21	S-11	Total/NA	Solid	8015 NM	
880-59788-22	S-12	Total/NA	Solid	8015 NM	
880-59788-23	S-13	Total/NA	Solid	8015 NM	
880-59788-24	S-14	Total/NA	Solid	8015 NM	
880-59788-25	S-15	Total/NA	Solid	8015 NM	
880-59788-26	S-16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-8	B-2	Soluble	Solid	DI Leach	
880-59788-9	S-7	Soluble	Solid	DI Leach	
880-59788-10	S-8	Soluble	Solid	DI Leach	
880-59788-11	S-9	Soluble	Solid	DI Leach	
880-59788-12	S-10	Soluble	Solid	DI Leach	
880-59788-13	B-3	Soluble	Solid	DI Leach	
880-59788-14	B-4	Soluble	Solid	DI Leach	
880-59788-15	B-5	Soluble	Solid	DI Leach	
880-59788-16	B-6	Soluble	Solid	DI Leach	
880-59788-17	B-7	Soluble	Solid	DI Leach	
880-59788-18	B-8	Soluble	Solid	DI Leach	
880-59788-19	B-9	Soluble	Solid	DI Leach	
880-59788-20	B-10	Soluble	Solid	DI Leach	
880-59788-21	S-11	Soluble	Solid	DI Leach	
880-59788-22	S-12	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

HPLC/IC (Continued)

Leach Batch: 113196 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-23	S-13	Soluble	Solid	DI Leach	
880-59788-24	S-14	Soluble	Solid	DI Leach	
880-59788-25	S-15	Soluble	Solid	DI Leach	
880-59788-26	S-16	Soluble	Solid	DI Leach	
MB 880-113196/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113196/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113196/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59788-8 MS	B-2	Soluble	Solid	DI Leach	
880-59788-8 MSD	B-2	Soluble	Solid	DI Leach	
880-59788-18 MS	B-8	Soluble	Solid	DI Leach	
880-59788-18 MSD	B-8	Soluble	Solid	DI Leach	

Leach Batch: 113200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-1	S-1	Soluble	Solid	DI Leach	
880-59788-2	S-2	Soluble	Solid	DI Leach	
880-59788-3	S-3	Soluble	Solid	DI Leach	
880-59788-4	S-4	Soluble	Solid	DI Leach	
880-59788-5	S-5	Soluble	Solid	DI Leach	
880-59788-6	S-6	Soluble	Solid	DI Leach	
880-59788-7	B-1	Soluble	Solid	DI Leach	
MB 880-113200/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113200/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113200/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-59787-A-6-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-59787-A-6-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 113256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-8	B-2	Soluble	Solid	300.0	113196
880-59788-9	S-7	Soluble	Solid	300.0	113196
880-59788-10	S-8	Soluble	Solid	300.0	113196
880-59788-11	S-9	Soluble	Solid	300.0	113196
880-59788-12	S-10	Soluble	Solid	300.0	113196
880-59788-13	B-3	Soluble	Solid	300.0	113196
880-59788-14	B-4	Soluble	Solid	300.0	113196
880-59788-15	B-5	Soluble	Solid	300.0	113196
880-59788-16	B-6	Soluble	Solid	300.0	113196
880-59788-17	B-7	Soluble	Solid	300.0	113196
880-59788-18	B-8	Soluble	Solid	300.0	113196
880-59788-19	B-9	Soluble	Solid	300.0	113196
880-59788-20	B-10	Soluble	Solid	300.0	113196
880-59788-21	S-11	Soluble	Solid	300.0	113196
880-59788-22	S-12	Soluble	Solid	300.0	113196
880-59788-23	S-13	Soluble	Solid	300.0	113196
880-59788-24	S-14	Soluble	Solid	300.0	113196
880-59788-25	S-15	Soluble	Solid	300.0	113196
880-59788-26	S-16	Soluble	Solid	300.0	113196
MB 880-113196/1-A	Method Blank	Soluble	Solid	300.0	113196
LCS 880-113196/2-A	Lab Control Sample	Soluble	Solid	300.0	113196
LCSD 880-113196/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113196

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

HPLC/IC (Continued)

Analysis Batch: 113256 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-8 MS	B-2	Soluble	Solid	300.0	113196
880-59788-8 MSD	B-2	Soluble	Solid	300.0	113196
880-59788-18 MS	B-8	Soluble	Solid	300.0	113196
880-59788-18 MSD	B-8	Soluble	Solid	300.0	113196

Analysis Batch: 113282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-59788-1	S-1	Soluble	Solid	300.0	113200
880-59788-2	S-2	Soluble	Solid	300.0	113200
880-59788-3	S-3	Soluble	Solid	300.0	113200
880-59788-4	S-4	Soluble	Solid	300.0	113200
880-59788-5	S-5	Soluble	Solid	300.0	113200
880-59788-6	S-6	Soluble	Solid	300.0	113200
880-59788-7	B-1	Soluble	Solid	300.0	113200
MB 880-113200/1-A	Method Blank	Soluble	Solid	300.0	113200
LCS 880-113200/2-A	Lab Control Sample	Soluble	Solid	300.0	113200
LCSD 880-113200/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113200
880-59787-A-6-D MS	Matrix Spike	Soluble	Solid	300.0	113200
880-59787-A-6-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	113200

Lab Chronicle

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-1

Lab Sample ID: 880-59788-1

Date Collected: 06/24/25 16:30

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 00:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 12:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 12:16	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113200	06/26/25 16:50	SA	EET MID
Soluble	Analysis	300.0		1			113282	06/28/25 08:01	CS	EET MID

Client Sample ID: S-2

Lab Sample ID: 880-59788-2

Date Collected: 06/24/25 16:32

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 00:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 00:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 12:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 12:32	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113200	06/26/25 16:50	SA	EET MID
Soluble	Analysis	300.0		1			113282	06/28/25 08:23	CS	EET MID

Client Sample ID: S-3

Lab Sample ID: 880-59788-3

Date Collected: 06/24/25 16:34

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 00:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 12:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 12:47	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113200	06/26/25 16:50	SA	EET MID
Soluble	Analysis	300.0		1			113282	06/28/25 08:30	CS	EET MID

Client Sample ID: S-4

Lab Sample ID: 880-59788-4

Date Collected: 06/24/25 16:36

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 01:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 01:09	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-4

Lab Sample ID: 880-59788-4

Date Collected: 06/24/25 16:36

Matrix: Solid

Date Received: 06/26/25 12:26

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			113552	07/02/25 13:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 13:19	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113200	06/26/25 16:50	SA	EET MID
Soluble	Analysis	300.0		1			113282	06/28/25 08:37	CS	EET MID

Client Sample ID: S-5

Lab Sample ID: 880-59788-5

Date Collected: 06/24/25 16:38

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 01:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 01:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 14:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 14:49	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113200	06/26/25 16:50	SA	EET MID
Soluble	Analysis	300.0		1			113282	06/28/25 08:44	CS	EET MID

Client Sample ID: S-6

Lab Sample ID: 880-59788-6

Date Collected: 06/24/25 16:40

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 01:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 01:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 15:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 15:04	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113200	06/26/25 16:50	SA	EET MID
Soluble	Analysis	300.0		1			113282	06/28/25 08:51	CS	EET MID

Client Sample ID: B-1

Lab Sample ID: 880-59788-7

Date Collected: 06/24/25 16:42

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 02:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 02:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 15:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 15:19	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-1

Lab Sample ID: 880-59788-7

Date Collected: 06/24/25 16:42

Matrix: Solid

Date Received: 06/26/25 12:26

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	113200	06/26/25 16:50	SA	EET MID
Soluble	Analysis	300.0		1			113282	06/28/25 08:59	CS	EET MID

Client Sample ID: B-2

Lab Sample ID: 880-59788-8

Date Collected: 06/24/25 16:44

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 02:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 02:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 15:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 15:36	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 19:37	CS	EET MID

Client Sample ID: S-7

Lab Sample ID: 880-59788-9

Date Collected: 06/24/25 16:46

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 02:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 02:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 15:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 15:52	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 19:54	CS	EET MID

Client Sample ID: S-8

Lab Sample ID: 880-59788-10

Date Collected: 06/24/25 16:48

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 03:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 16:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 16:07	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:00	CS	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-9
Date Collected: 06/24/25 16:50
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 05:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 05:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 16:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 16:24	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:06	CS	EET MID

Client Sample ID: S-10
Date Collected: 06/24/25 16:52
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 05:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 05:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 16:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 16:40	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:11	CS	EET MID

Client Sample ID: B-3
Date Collected: 06/24/25 16:54
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 05:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 05:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 16:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113181	06/26/25 15:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113522	07/02/25 16:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:29	CS	EET MID

Client Sample ID: B-4
Date Collected: 06/24/25 17:48
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 06:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 06:03	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-4

Lab Sample ID: 880-59788-14

Date Collected: 06/24/25 17:48

Matrix: Solid

Date Received: 06/26/25 12:26

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			113552	07/02/25 01:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 01:38	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:34	CS	EET MID

Client Sample ID: B-5

Lab Sample ID: 880-59788-15

Date Collected: 06/24/25 17:51

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 06:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 06:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 02:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 02:21	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:40	CS	EET MID

Client Sample ID: B-6

Lab Sample ID: 880-59788-16

Date Collected: 06/24/25 17:54

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 06:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 06:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 02:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 02:36	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:46	CS	EET MID

Client Sample ID: B-7

Lab Sample ID: 880-59788-17

Date Collected: 06/24/25 17:57

Matrix: Solid

Date Received: 06/26/25 12:26

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	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 07:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 07:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 02:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 02:51	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: B-7
Date Collected: 06/24/25 17:57
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:51	CS	EET MID

Client Sample ID: B-8
Date Collected: 06/24/25 18:00
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 07:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 07:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 03:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 03:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 20:57	CS	EET MID

Client Sample ID: B-9
Date Collected: 06/24/25 18:03
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 07:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 07:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 03:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 03:20	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 21:14	CS	EET MID

Client Sample ID: B-10
Date Collected: 06/24/25 18:06
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	113179	06/26/25 15:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113216	06/28/25 08:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 08:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 03:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 03:35	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 21:20	CS	EET MID

Lab Chronicle

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-11

Lab Sample ID: 880-59788-21

Date Collected: 06/24/25 17:30

Matrix: Solid

Date Received: 06/26/25 12:26

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	113180	06/26/25 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113212	06/28/25 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 04:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 03:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 03:49	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 21:37	CS	EET MID

Client Sample ID: S-12

Lab Sample ID: 880-59788-22

Date Collected: 06/24/25 17:33

Matrix: Solid

Date Received: 06/26/25 12:26

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	113180	06/26/25 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113212	06/28/25 04:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 04:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 04:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 04:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 21:42	CS	EET MID

Client Sample ID: S-13

Lab Sample ID: 880-59788-23

Date Collected: 06/24/25 17:36

Matrix: Solid

Date Received: 06/26/25 12:26

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	113180	06/26/25 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113212	06/28/25 04:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 04:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 04:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 04:18	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 21:48	CS	EET MID

Client Sample ID: S-14

Lab Sample ID: 880-59788-24

Date Collected: 06/24/25 17:39

Matrix: Solid

Date Received: 06/26/25 12:26

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	113180	06/26/25 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113212	06/28/25 05:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 05:12	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Client Sample ID: S-14
Date Collected: 06/24/25 17:39
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113552	07/02/25 04:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 04:46	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 21:54	CS	EET MID

Client Sample ID: S-15
Date Collected: 06/24/25 17:41
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	113180	06/26/25 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113212	06/28/25 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 05:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 05:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 05:01	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 21:59	CS	EET MID

Client Sample ID: S-16
Date Collected: 06/24/25 17:44
Date Received: 06/26/25 12:26

Lab Sample ID: 880-59788-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	113180	06/26/25 15:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113212	06/28/25 05:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113381	06/28/25 05:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			113552	07/02/25 05:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113182	06/26/25 15:27	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113436	07/02/25 05:16	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113196	06/26/25 16:32	SMC	EET MID
Soluble	Analysis	300.0		1			113256	06/27/25 22:05	CS	EET MID

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Crain Environmental
Project/Site: Bagley #4 SWD-Area 5

Job ID: 880-59788-1
SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-59788-1	S-1	Solid	06/24/25 16:30	06/26/25 12:26	0-1'
880-59788-2	S-2	Solid	06/24/25 16:32	06/26/25 12:26	0-1'
880-59788-3	S-3	Solid	06/24/25 16:34	06/26/25 12:26	0-1'
880-59788-4	S-4	Solid	06/24/25 16:36	06/26/25 12:26	0-1'
880-59788-5	S-5	Solid	06/24/25 16:38	06/26/25 12:26	0-1'
880-59788-6	S-6	Solid	06/24/25 16:40	06/26/25 12:26	0-1'
880-59788-7	B-1	Solid	06/24/25 16:42	06/26/25 12:26	1'
880-59788-8	B-2	Solid	06/24/25 16:44	06/26/25 12:26	1'
880-59788-9	S-7	Solid	06/24/25 16:46	06/26/25 12:26	0-2'
880-59788-10	S-8	Solid	06/24/25 16:48	06/26/25 12:26	0-2'
880-59788-11	S-9	Solid	06/24/25 16:50	06/26/25 12:26	0-2'
880-59788-12	S-10	Solid	06/24/25 16:52	06/26/25 12:26	0-2'
880-59788-13	B-3	Solid	06/24/25 16:54	06/26/25 12:26	2'
880-59788-14	B-4	Solid	06/24/25 17:48	06/26/25 12:26	1'
880-59788-15	B-5	Solid	06/24/25 17:51	06/26/25 12:26	1'
880-59788-16	B-6	Solid	06/24/25 17:54	06/26/25 12:26	1'
880-59788-17	B-7	Solid	06/24/25 17:57	06/26/25 12:26	1'
880-59788-18	B-8	Solid	06/24/25 18:00	06/26/25 12:26	1'
880-59788-19	B-9	Solid	06/24/25 18:03	06/26/25 12:26	1'
880-59788-20	B-10	Solid	06/24/25 18:06	06/26/25 12:26	1'
880-59788-21	S-11	Solid	06/24/25 17:30	06/26/25 12:26	0-1.8'
880-59788-22	S-12	Solid	06/24/25 17:33	06/26/25 12:26	0-1.8'
880-59788-23	S-13	Solid	06/24/25 17:36	06/26/25 12:26	0-1.8'
880-59788-24	S-14	Solid	06/24/25 17:39	06/26/25 12:26	0-1.8'
880-59788-25	S-15	Solid	06/24/25 17:41	06/26/25 12:26	0-1.8'
880-59788-26	S-16	Solid	06/24/25 17:44	06/26/25 12:26	0-1.8'

Chain of Custody

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

Environment Testing
Xenco

Work Order No: 9788www.xenco.com Page 1 of 2

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: NM

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other:

Project Manager: Cindy Crain

Company Name: Crain Environmental

Address: 2925 E. 17th St.

City, State ZIP: Alameda, TX 79761

Phone: (575) 441-7244

Bill to: (if different) Nicole Bernwell

Company Name: BXP

Address: 11757 Katy Fwy, Ste. 475

City, State ZIP: Houston, TX 77079

Email: Cindy.Crain@gmail.com

ANALYSIS REQUEST										Preservative Codes	
Project Name:	Project Number:	Project Location:	Sampler's Name:	P.O. #:	Turn Around	Pres. Code					
<u>Bagby #4 SMD- Area 5</u>		<u>Lea Co., NM</u>	<u>Cindy Crain</u>		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush					None: NO Cool: Cool	
Due Date:					TAT starts the day received by the lab, if received by 4:30pm					DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na	
SAMPLE RECEIPT					Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
Samples Received Intact: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Thermometer ID: <u>IRB</u>						
Cooler Custody Seals: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Correction Factor: <u>N/A</u>						
Sample Custody Seals: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Temperature Reading: <u>-6.4</u>						
Total Containers:					Corrected Temperature: <u>-6.5</u>						
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont					
<u>S-1</u>	<u>S</u>	<u>6/24/25</u>	<u>1630</u>	<u>0-1'</u>	<u>C</u>	<u>1</u>					
<u>S-2</u>	<u>S</u>	<u>6/24/25</u>	<u>1632</u>	<u>1'</u>	<u>1</u>	<u>1</u>					
<u>S-3</u>	<u>S</u>	<u>6/24/25</u>	<u>1634</u>	<u>1'</u>	<u>1</u>	<u>1</u>					
<u>S-4</u>	<u>S</u>	<u>6/24/25</u>	<u>1636</u>	<u>1'</u>	<u>1</u>	<u>1</u>					
<u>S-5</u>	<u>S</u>	<u>6/24/25</u>	<u>1638</u>	<u>1'</u>	<u>1</u>	<u>1</u>					
<u>S-6</u>	<u>S</u>	<u>6/24/25</u>	<u>1640</u>	<u>1'</u>	<u>1</u>	<u>1</u>					
<u>B-1</u>	<u>S</u>	<u>6/24/25</u>	<u>1642</u>	<u>1'</u>	<u>1</u>	<u>1</u>					
<u>B-2</u>	<u>S</u>	<u>6/24/25</u>	<u>1644</u>	<u>1'</u>	<u>1</u>	<u>1</u>					
<u>S-7</u>	<u>S</u>	<u>6/24/25</u>	<u>1646</u>	<u>0-2'</u>	<u>1</u>	<u>1</u>					
<u>S-8</u>	<u>S</u>	<u>6/24/25</u>	<u>1648</u>	<u>0-2'</u>	<u>1</u>	<u>1</u>					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed: TCPL / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>Cindy Crain</u>	<u>[Signature]</u>	<u>6/24/25 1642</u>			

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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

Environment Testing
Xenco



Work Order No: _____

www.xenco.com Page 2 of 2

Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	NM
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

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

ANALYSIS REQUEST										Preservative Codes		
Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around				Pres. Code	Parameters	# of Cont	Sample Comments
					<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Due Date:	TAT starts the day received by the lab, if received by 4:30pm				
Project Name:	Bagley #4 SWD - Area 5											
Project Location:	Lea Co., NM											
Sampler's Name:	Cindy Crain											
PO #:												
SAMPLE RECEIPT					Temp Blank:	Yes	No	Wet Ice:	Yes	No		
Samples Received Intact:					Yes	No	Thermometer ID:					
Cooler Custody Seals:					Yes	No	N/A	Correction Factor:				
Sample Custody Seals:					Yes	No	N/A	Temperature Reading:				
Total Containers:								Corrected Temperature:				
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp							
S-9	S	4/24/25	1650	0-2'	C							
S-10	S		1652	0-2'								
B-3			1654	2'								
B-4			1748	1'								
B-5			1751									
B-6			1754									
B-7			1757									
B-8			1800									
B-9			1803									
B-10			1806									

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Cindy Crain		4/24/25 1650			

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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

Environment Testing

Xenco

Work Order No:

Page 2 of 3
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Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-59788-1

SDG Number: Lea Co., NM

Login Number: 59788

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Appendix E - Photographic Documentation

Appendix E - Photographic Log
BXP Operating, LLC
Bagley SWD #4 - Area 5
Incident #nAPP2509978939



View to E of vegetation at Area 5 (6/19/25).



View to NW of vegetation at Area 5 (6/19/25).



View to NW of E excavation and stockpile at Area 5 (6/19/25).



View to NW of W excavation at Area 5 (6/19/25).



View to NE of W excavation (6/19/25).



View to NE of W excavation (6/24/25).



View to N of E excavation (6/24/25).



View to S of E excavation at Area 5 (6/24/25).



Appendix F – Waste Manifests

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

**GENERATOR**

Generator Name _____
 Address _____
 City, State, Zip _____
 Phone No. _____
 Company Man _____

Location of Origin _____
 Lease/Well _____
 Name & No. _____
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill _____

Site Name / Permit No. **Commercial Landfill (NM-01-0019)**
 Address **P.O. Box 1658 Roswell, NM 88202**
 NORM Readings Taken? (Circle One) YES NO
 Pass the Paint Filter Test? (Circle One) YES NO

Phone No. **575-347-0434**

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name _____
 Address _____
 Phone No. _____

Print Name _____
 Truck No. _____
 Bin No. _____
 Phone No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	Completion Fluid/Flowback _____	OTHER EXEMPT WASTE _____
Oil Based Cuttings _____	Produced Water (Non-Injectable) _____	_____
Water Based Muds _____	Gathering Line Water/Waste _____	_____
Water Based Cuttings _____	Cement Water _____	OTHER NON-EXEMPT WASTE _____
Produced Formation Solids _____	Truck Washout /Jet Out _____	_____
Tank Bottoms _____	Trash & Debris _____	_____
E&P Contaminated Soil _____		_____
Gas Plant Waste _____		_____

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignition, corrosiveness, and reactivity.)

Non-Exempt Other: _____

*Please select from Non-Exempt Waste List on back

QUANTITY: _____ B - Barrels _____ L - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Other (Provide Description Below) _____

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____

DATE _____

SIGNATURE _____

NAME (PRINT) _____

DATE _____

GMI

TITLE _____

SIGNATURE _____

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

**GENERATOR**

Generator Name _____
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill _____

Site Name / Permit No. Commercial Landfill (NM-01-0019)
Address P.O. Box 1658 Roswell, NM 88202
NORM Readings Taken? (Circle One) YES NO
Pass the Paint Filter Test? (Circle One) YES NO

Phone No. 575-347-0434

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____

Print Name _____
Truck No. 229
Bin No. _____
Phone No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
Oil Based Cuttings _____
Water Based Muds _____
Water Based Cuttings _____
Produced Formation Solids _____
Tank Bottoms _____
E&P Contaminated Soil _____
Gas Plant Waste _____

Completion Fluid/Flowback _____
Produced Water (Non-Injectable) _____
Gathering Line Water/Waste _____
Cement Water _____
Truck Washout /Jet Out _____
Trash & Debris _____

OTHER EXEMPT WASTE _____

OTHER NON-EXEMPT WASTE _____

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignition, corrosiveness, and reactivity.)

Non-Exempt Other: _____

*Please select from Non-Exempt Waste List on back

QUANTITY: _____ B - Barrels _____ L - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Other (Provide Description Below) _____

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE _____

DATE _____

SIGNATURE _____

NAME (PRINT) _____

DATE _____

GMI

TITLE _____

SIGNATURE _____

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 491511

QUESTIONS

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 491511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2509978939
Incident Name	NAPP2509978939 BAGLEY SWD #004 @ 30-025-01015
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-01015] BAGLEY SWD #004

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BAGLEY SWD #004
Date Release Discovered	11/20/2024
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	Not answered.
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)	Upon request from the State Land Office (SLO) Environmental Compliance Office (ECO), a soil investigation was conducted in this barren area. Lab results received on 11/20/24 indicated that a historical release had occurred in this area. A Site Characterization Report and Remediation Workplan will be submitted that includes all historical releases on the Bagley SWD #004 State lease.

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QUESTIONS, Page 2

Action 491511

QUESTIONS (continued)

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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: Dillon Salas Title: Operations Engineer Email: aggie@penrocoil.com Date: 04/26/2025
--	--

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QUESTIONS, Page 3

Action 491511

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 491511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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 ½ and 1 (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 ½ and 1 (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 ½ and 1 (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)	1500
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	109
GRO+DRO (EPA SW-846 Method 8015M)	109
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/05/2025
On what date will (or did) the final sampling or liner inspection occur	06/13/2025
On what date will (or was) the remediation complete(d)	06/20/2025
What is the estimated surface area (in square feet) that will be reclaimed	43195
What is the estimated volume (in cubic yards) that will be reclaimed	6400
What is the estimated surface area (in square feet) that will be remediated	43195
What is the estimated volume (in cubic yards) that will be remediated	6400
<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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Action 491511

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 491511
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	TNM-55-95 [FAB0000000061]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dillon Salas Title: Operations Engineer Email: aggie@penrocoil.com Date: 04/26/2025
<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 491511

QUESTIONS (continued)

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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 491511

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	477454
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/24/2025
What was the (estimated) number of samples that were to be gathered	13
What was the sampling surface area in square feet	1080

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1824
What was the total volume (cubic yards) remediated	40
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1824
What was the total volume (in cubic yards) reclaimed	40
Summarize any additional remediation activities not included by answers (above)	Upon NMOCD and ECO approval of this Closure Request, the excavations will be backfilled to grade with non-impacted similar material obtained from a landowner pit. The impacted surface areas will be restored to pre-release conditions. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Bianca Guerrero Title: Regulatory manager Email: bguerrero@bxpltd.com Date: 08/02/2025

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Action 491511

QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 491511

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/18/2025