

Released Volume Calculation – State BT N #1

Length	40 feet
Width	40 feet
Thickness	0.8 in

1,280 gal = 30 Est. Total Bbls Released

Volume = L*W*T

Total Released Volume = 12,280 gallons (US, dry)

30 Bbls



Remediation Summary and Closure Report

December 13, 2025

**State BT N #001
Historical Release
API # 30-025-01012
Incident #nRM2029344863
Lease No. E0-0026-13**

Prepared For:

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

Prepared By:

Crain Environmental
2925 East 17th Street
Odessa, Texas 79761

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

Cynthia K. Crain, P.G.



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- Appendix C – Photographic Documentation
- Appendix D - NMSLO Cultural Resources Cover Sheet
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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 historical release at the State BT N #1 (Site), located in Unit Letter P, Section 34, Township 11 South, Range 33 East, Lea County, New Mexico. The global positioning system (GPS) coordinates for the Site are 33.31670833, -103.59472222. The property surface rights are owned by the State of New Mexico (Lease No. E0-0026-13). The location of the Site is depicted on Figure 1.

2.0 Background

On October 14, 2020, BXP reported a release of 30 barrels (bbls) of produced water from a split poly line approximately 80' west of the State BT N #1 Battery. The initial Release Notification (C-141) was submitted to the New Mexico Oil Conservation Division (NMOCD) on October 16, 2020, and incident #nRM2029344863 was assigned. The C-141 states that the split poly line was spliced and repaired, the leak volume gathered along the road, 30 bbls of fluid were recovered, and contaminated dirt would be hauled to an approved site.

On May 4, 2025, a Site Assessment Workplan (Workplan) was submitted to the New Mexico State Land Office (NMSLO) Environmental Compliance Office (ECO). The Workplan proposed to dig four test holes at the sample locations shown on the attached Figure 2. The Workplan was approved by the ECO on May 5, 2025, and the soil investigation was conducted on August 4, 2025.

A Site Characterization Report and Remediation Workplan was submitted to the NMOCD on October 22, 2025, and was approved on October 28, 2025.

This Remediation Summary and Closure Report was prepared in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC) and presents the results of the soil remediation activities conducted at Incident #nRM2029344863.

3.0 NMOCD Closure Criteria

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

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



- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

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

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there are four water wells within a 0.5-mile radius of the Site; however, none of the wells were installed within the last 25 years. On March 28, 2025, CE measured a depth to groundwater of 43.1' below ground surface (bgs) in well L-01327 (located approximately 983' east of the Site). Based on the depth to groundwater in well L-01327, the most stringent NMOCD Closure Criteria will apply to 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 are provided in Appendix A.

Nearby Water Wells

Well ID	Location from Site	Year Installed	Use	Well Depth and Depth to Water (feet bgs)
L 09545	Approx. 1,332' to the northwest	1984	N/A	154 / 70
L 01327	Approx. 983' to the east	1951	N/A	115 / 55
L 01396	Approx. 2,568' to the southeast	1952	N/A	126 / 45
L 02165	Approx. 1,655' to the southeast	1950	N/A	114 / Not provided

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 Applicable to the Site

The Closure Criteria applicable to the Site will be based on the depth to groundwater, which dictates the regulatory guidelines typically associated with groundwater depths less than 50' feet bgs since a depth to groundwater measurement of 43.1' bgs was obtained from well L-01327 on March 28, 2025. A summary of the Closure Criteria is provided in the table below and in Table 1.

NMOCD Closure Criteria

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

Notes: NA = not applicable



bgs = below ground surface
 mg/kg = milligrams per kilogram
 GRO = gasoline range organics
 DRO = diesel range organics
 MRO = motor oil range organics
 TPH = total petroleum hydrocarbons
 BTEX = benzene, toluene, ethylbenzene, and total xylenes
 Green highlighted cells denote applicable Closure Criteria.

4.0 Site Assessment/Characterization Results

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

4.1 Site Map

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

4.2 Depth to Groundwater

As discussed in Section 3.1, the depth to groundwater was recorded at 43.1' bgs in well L-01327 (located 983' east of the Site) on March 28, 2025.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 3. As listed in the NMOSE database, there are four water wells within a 0.5-mile radius of the Site. There were no water sources, springs, or other sources of freshwater extraction identified within 0.5-mile of the Site.

4.4 Distance to Nearest Significant Watercourse

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

4.5 Summary of Remediation Activities

On August 4, 2025, four test holes (TH-1 through TH-4) were dug with a backhoe to the west of the BT N #001 Battery along the lease road. Each test hole was dug to a depth of 4' below ground surface (bgs), and samples were collected at depths of 1', 2', 3', and 4' bgs from each test hole.

Samples collected from depths of 1' and 4' bgs at each test hole, plus a sample collected from a depth of 2' bgs in TH-4 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 Environmental Protection Agency (EPA) SW-846 Method 8015 Modified, for benzene, toluene, ethylbenzene and xylenes (collectively referred to as BTEX) by EPA SW-846 Method 8021B, and for chlorides by EPA Method 300.0.

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



Referring to Table 1, concentrations of TPH, benzene, and BTEX were reported below the test method detection limits and/or Closure Criteria in each sample. Chloride concentrations were reported below the Closure Criteria in each sample except sample TH-4 at a depth of 1' bgs (1,470 mg/kg).

On November 19, 2025, a 10' x 10' area was excavated around test hole TH-4 to a depth of 2' bgs, and confirmation samples were collected from the sidewalls and bottom of the excavation. Samples were placed in laboratory prepared containers, properly labeled, immediately placed on ice, and hand delivered to Eurofins for analysis of TPH, BTEX, and chlorides.

Table 1 provides a summary of the laboratory results, and sample locations are provided on Figure 7. Appendix B provides a copy of the laboratory report and chain-of-custody documentation. Photographic documentation is provided in Appendix C.

Referring to Table 1, concentrations of TPH, BTEX, and chlorides were reported below the test method detection limits or Closure Criteria in each sample. Approximately 8 cubic yards of soil will be disposed of at GMI, Inc.

In compliance with the Cultural Properties Protection (CPP) Rule, a Cultural Survey was conducted at the BT N #1 site, and no cultural sites were identified. Appendix D provides a copy of the NMSLO Cultural Resources Cover Sheet for NMCRIS #156729.

A biological desktop review was conducted, and no critical habitats were found in proximity to the Site. A copy of the USFWS database review is included as Appendix E.

5.0 Request for Closure

Excavation has been conducted around test hole TH-4 (10' x 10' x 2') until five-point confirmation samples collected from the bottom and sidewalls of the excavation reported TPH, BTEX, and chloride concentrations below the NMOCD Closure Criteria. Approximately 8 cy of excavated soil will be disposed of at GMI, Inc.

Upon NMOCD approval of closure at Incident #nRM2029344863, the excavation will be backfilled with clean caliche obtained from a nearby source and the surface will be restored to pre-release conditions pursuant to 19.15.29.13 NMAC. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns. A sample will be collected from the backfill soil and analyzed for TPH, BTEX, and chlorides prior to backfilling. As the excavation was in the lease road, seeding will not be conducted following backfilling.

As confirmation samples collected from the bottom and sidewalls of the excavation reported TPH, BTEX, and chloride concentrations below the NMOCD closure criteria, BXP respectfully requests NMOCD closure of Incident #nRM2029344863.

6.0 Distribution

Copy 1: New Mexico State Land Office
Environmental Compliance Office
ECO@nmslo.gov



TABLE

Table 1
Summary of Soil Sample Analyses
BXP Operating, LLC
State BT N #001
Incident #nRM2029344863

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	
Samples from Initial Investigation													
TH-1 (1')	08/04/25	1'	In Situ	<14.5	<15.1	38.7 J B	38.7 J	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	12.1
TH-1 (4')	08/04/25	4'	In Situ	<14.5	<15.1	34.0 J B	34.0 J	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	19.8
TH-2 (1')	08/04/25	1'	In Situ	<14.5	<15.1	41.0 J B	41.0 J	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	79.1
TH-2 (4')	08/04/25	4'	In Situ	<14.5	<15.1	34.1 J B	34.1 J	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	9.99 J
TH-3 (1')	08/04/25	1'	In Situ	<14.5	<15.1	40.6 J B	40.6 J	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	265
TH-3 (4')	08/04/25	4'	In Situ	<14.5	<15.1	30.3 J B	30.3 J	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	19.9
TH-4 (1')	08/04/25	1'	Excavated	<14.5	<15.1	39.0 J B	39.0 J	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	1,470
TH-4 (2')	08/04/25	2'	In Situ	<14.5	<15.1	30.9 J B	30.9 J	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	386
TH-4 (4')	08/04/25	4'	In Situ	<14.5	<15.1	29.7 J B	29.7 J	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	41.8
Confirmation Samples from Excavation at TH-4													
S-1	11/19/25	0-2'	In Situ	<14.5	39 *+ *1	<15.1	39	<0.00139	<0.00200	<0.00109	0.00228 J	0.00228 J	16.9
S-2	11/19/25	0-2'	In Situ	<14.5	54.9 *+ *1	<15.1	54.9	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	14.1
S-3	11/19/25	0-2'	In Situ	<14.5	40.3 J *+ *1	<15.1	40.3 J	<0.00138	<0.00199	<0.00108	0.00235 J	0.00235 J	14.0
S-4	11/19/25	0-2'	In Situ	<14.5	52.0 *+ *1	<15.1	52.0	<0.00138	<0.00198	<0.00108	0.00232 J	0.00232 J	14.7
B-1	11/19/25	2'	In Situ	<14.5	59.3 *+ *1	<15.1	59.3	<0.00138	<0.00198	<0.00108	0.00226 J	0.00226 J	12.8

Notes:

1. GRO: Gasoline Range Organics

2. DRO: Diesel Range Organics

3. MRO: Motor Oil Range Organics

4. bgs: below ground surface

5. Bold and highlighting indicates the COC was detected above the NMOCD Closure Criteria.

6. < indicates the COC was below the appropriate laboratory method/sample detection limit

7. Yellow highlighting indicates the COC concentration exceeds the NMOCD Closure Criteria

8. Green highlighting indicates soil was excavated and disposed.

9. F1: MS and/or MSD recovery exceeds control limits.

10. B: Compound was found in the blank and sample.

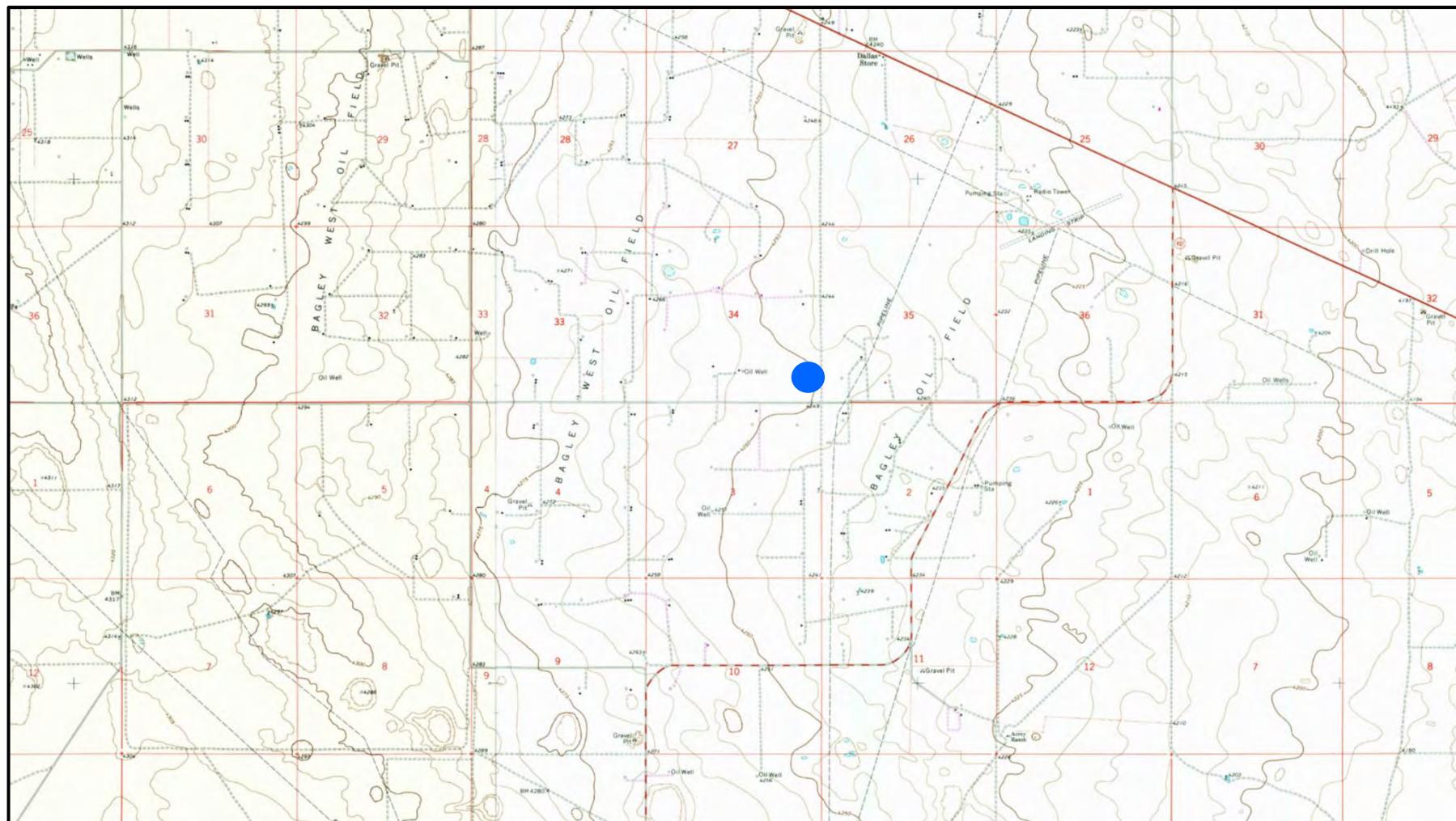
11. J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

12. *1: LCS and/or LCSD is outside acceptance limits, high biased.

13. *1: LCS/LCSD RPD exceeds control limits.



FIGURES



LEGEND:

Site Location



Base Map from GAIA GPS

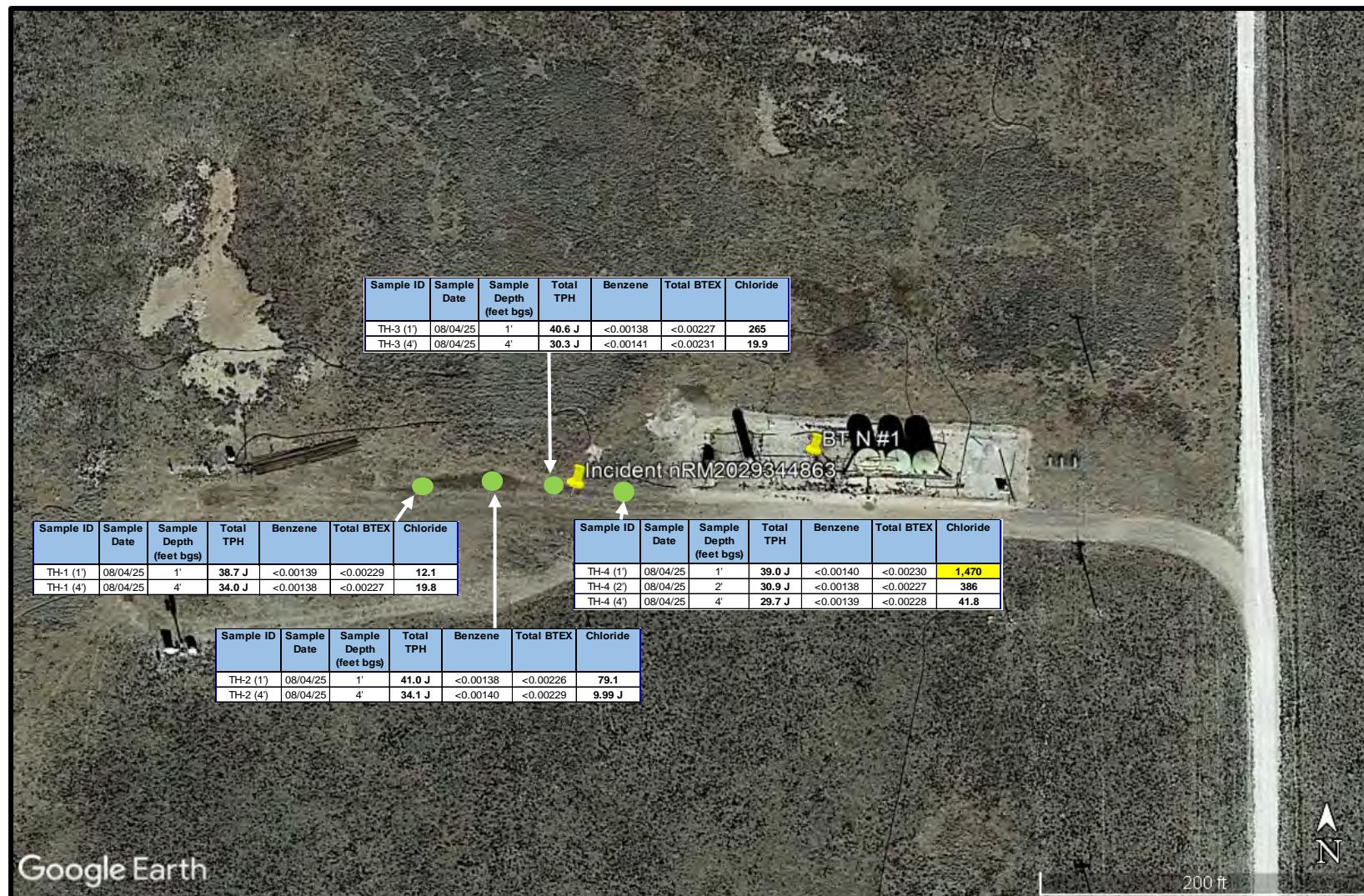
Figure 1
Site Location Map
BXP Operating, LLC
State BT N #001
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: Oct. 21, 2025

GPS: 33.31670833° -103.59472222°





LEGEND:

Sample Location with Sample Results

Highlight Indicates Concentrations Above Closure Criteria

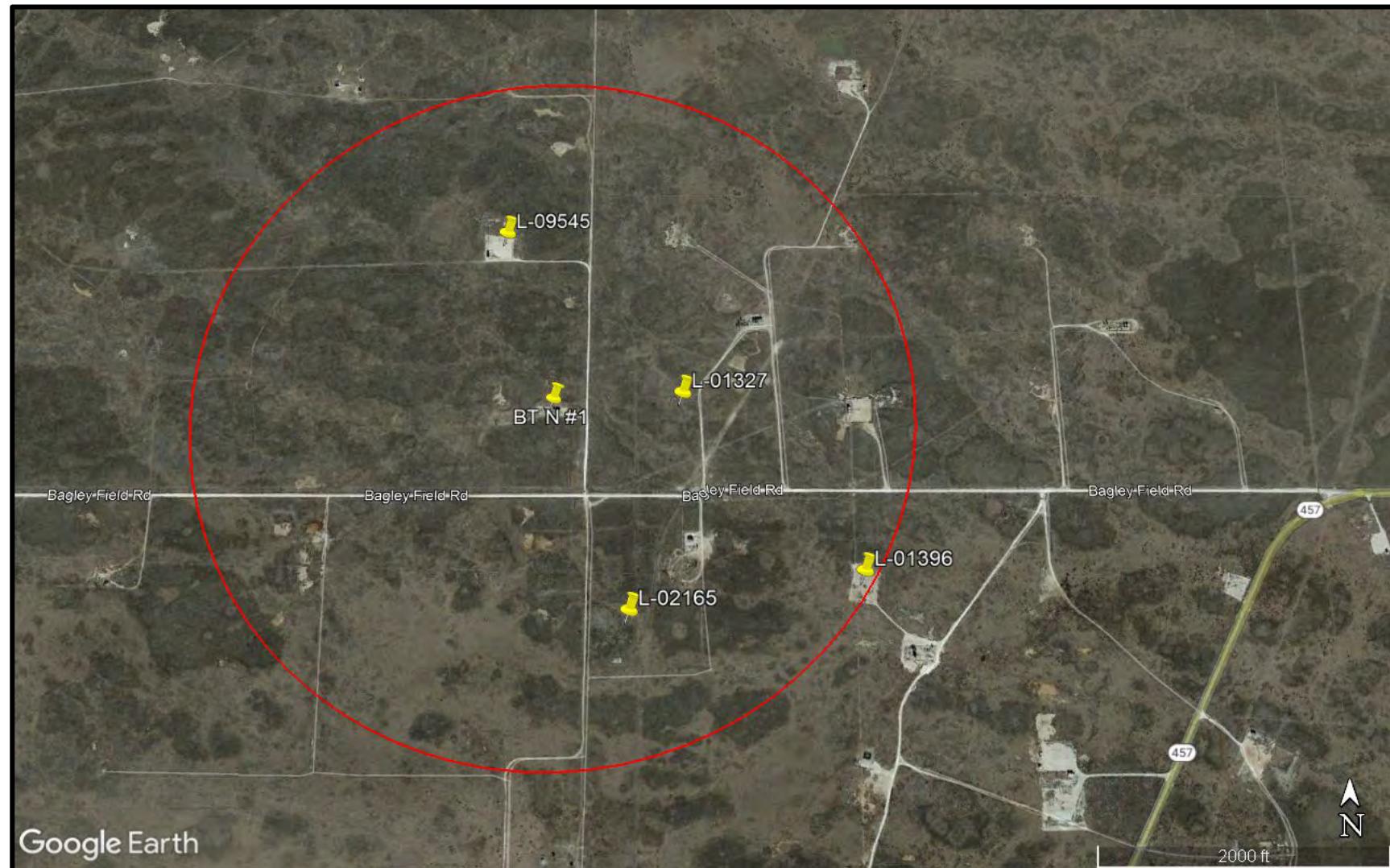
Figure 2
Sample Location Map-Test Holes
BXP Operating, LLC
State BT N #001
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: Oct. 21, 2025

GPS: 33.31670833° -103.59472222°



**LEGEND:**

- Site and Water Well Locations
- 0.5 Mile Radius

Base Map from Google Earth

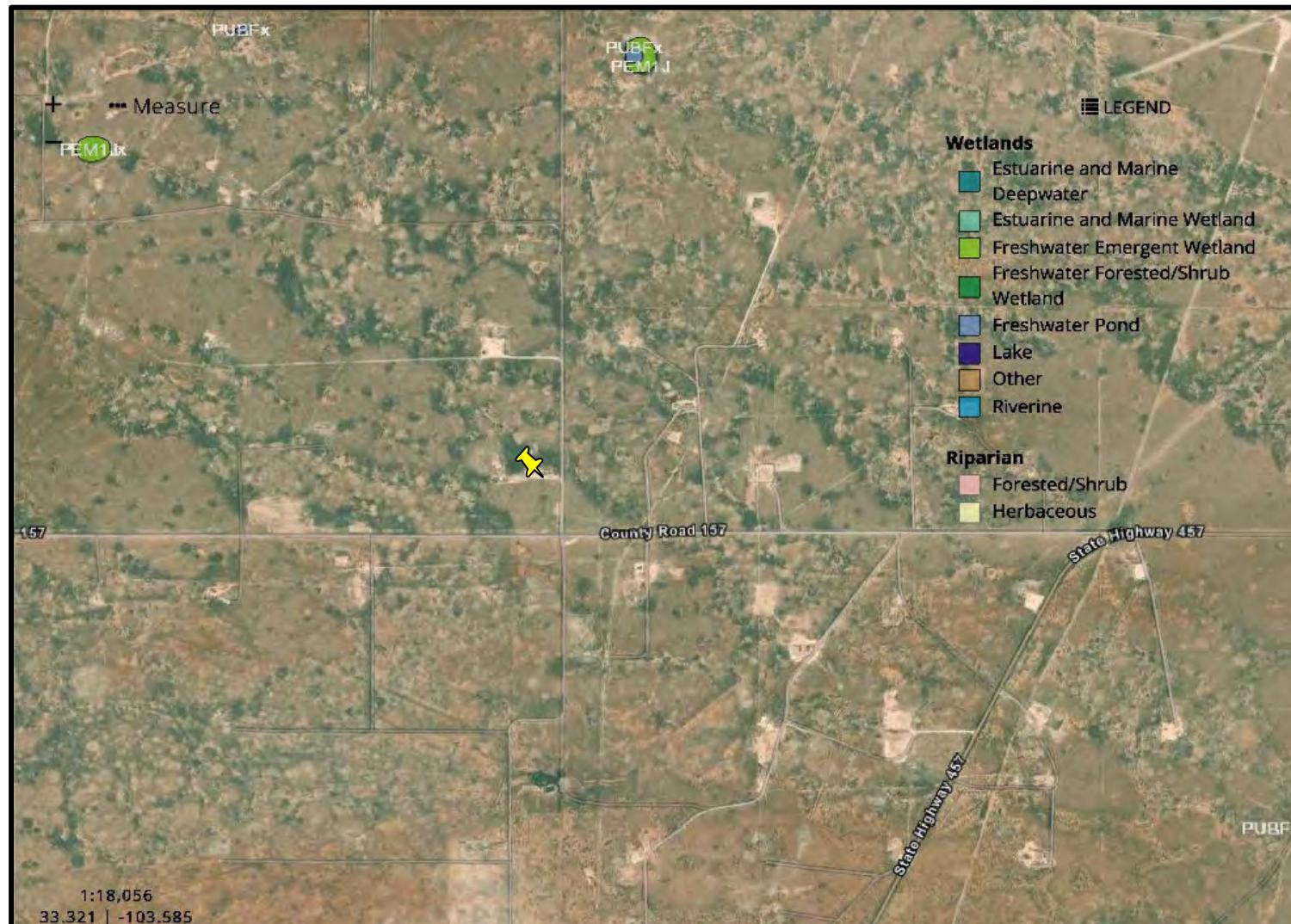
Figure 3
Wellhead Protection Area Map
BXP Operating, LLC
State BT N #001
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: Oct. 21, 2025

GPS: 33.31670833° -103.59472222°





LEGEND:



Site Location

Base Map from USFWS

Figure 4
National Wetlands Inventory Map
BXP Operating, LLC
State BT N #001
Lea County, New Mexico

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Draft: Oct. 21, 2025

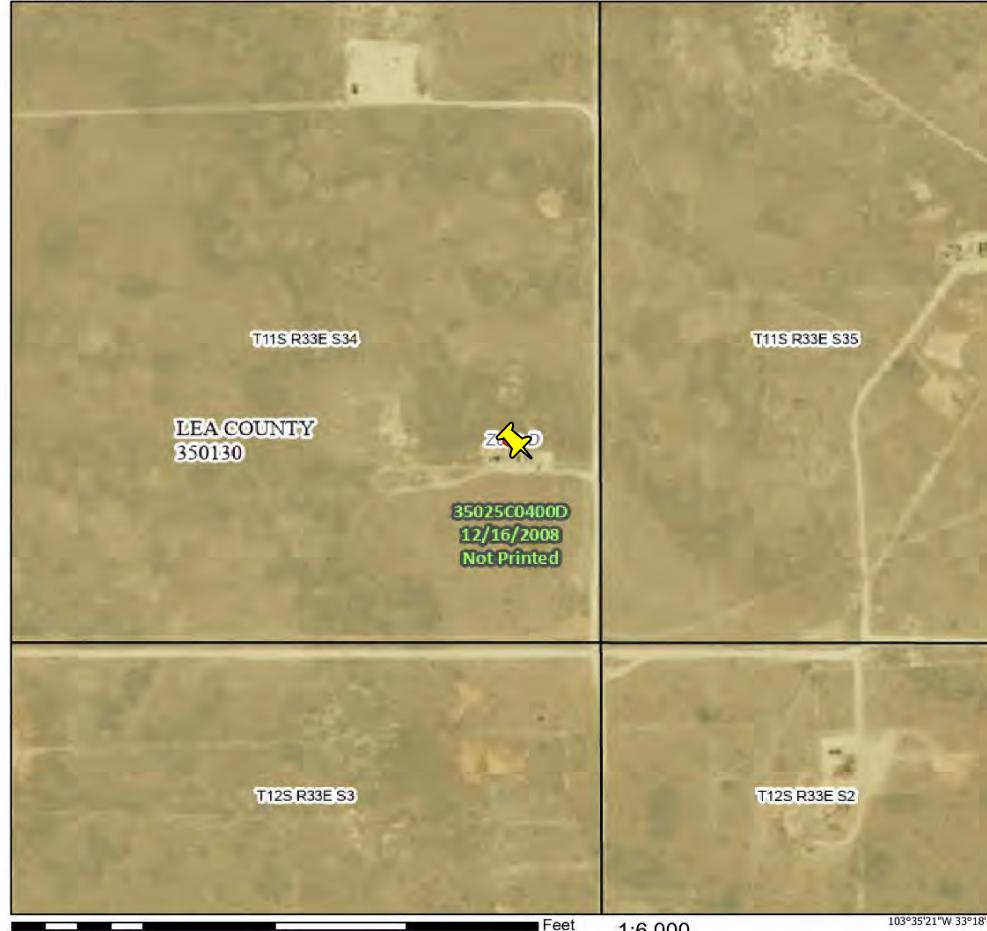
GPS: 33.31670833° -103.5947222°



National Flood Hazard Layer FIRMette



103°35'58"W 33°19'15"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X

- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS OF FLOOD HAZARD

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs

OTHER AREAS

- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
- 17.5 Water Surface Elevation
- 8 Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/28/2025 at 5:36 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

LEGEND:



Site Location

Base Map from FEMA

Figure 5
FEMA Floodplain Map
BXP Operating, LLC
State BT N #001
Lea County, New Mexico

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Draft: Oct. 21, 2025

GPS: 33.31670833° -103.5947222°



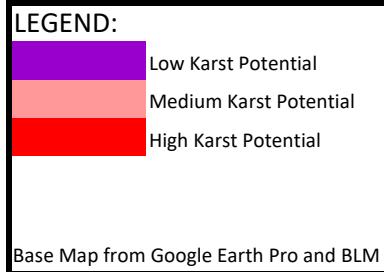
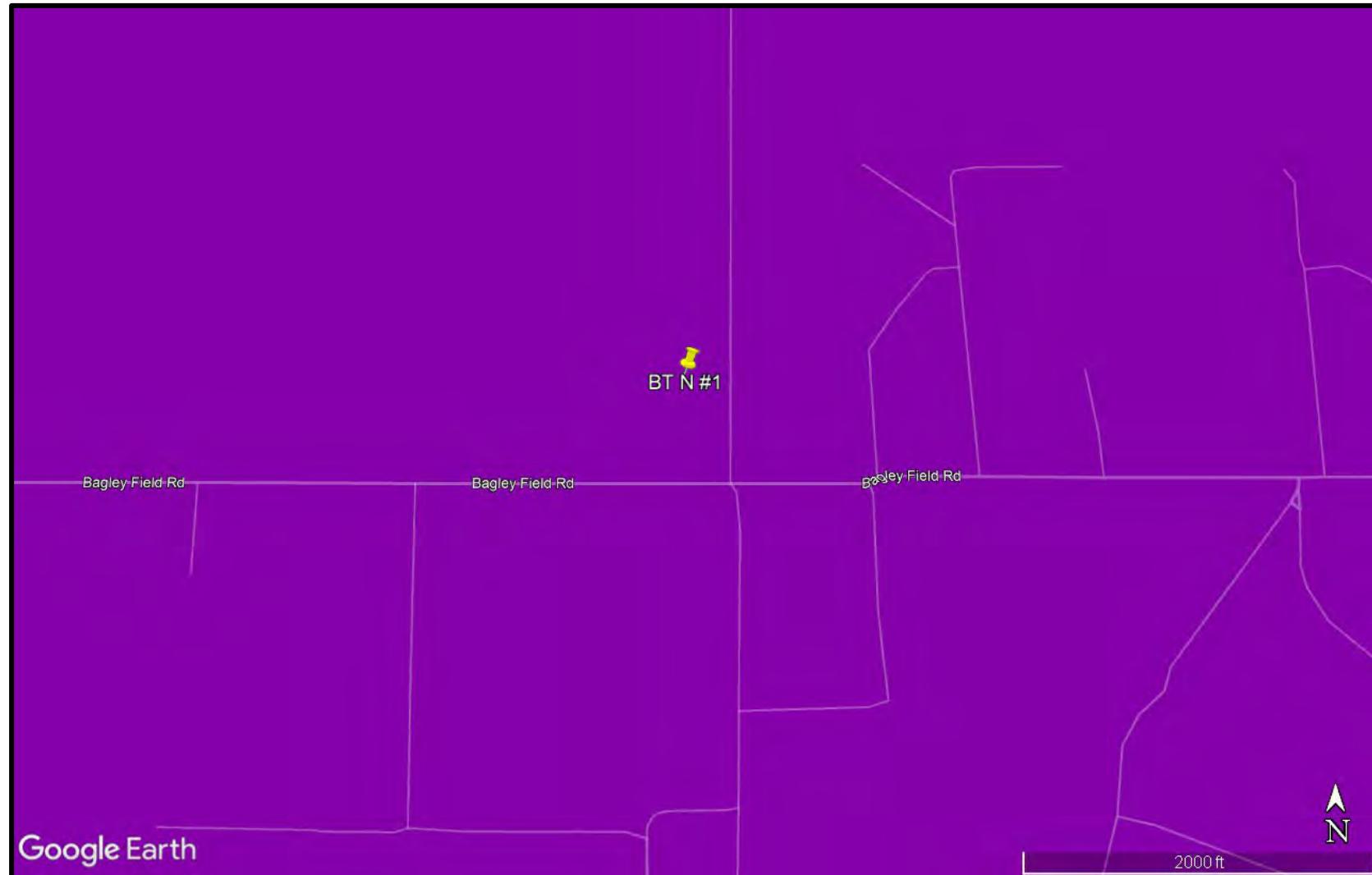


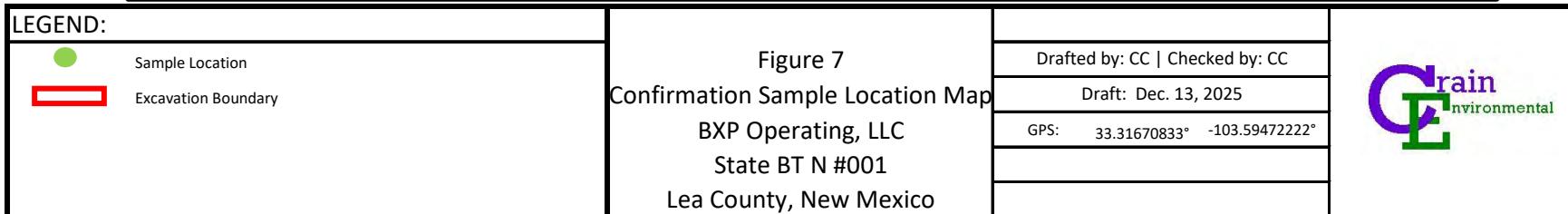
Figure 6
Karst Potential Map
BXP Operating, LLC
State BT N #001
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: Oct. 21, 2025

GPS: 33.31670833° -103.59472222°







Appendix A: NMOSE Water Well Logs

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.

4/28/25 12:30 PM MST

Point of Diversion Summary

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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

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 02165	SW	NW	NW	02	12S	33E	631049.0	3686799.0	*	

* UTM location was derived from PLSS - see Help

Driller License: **Driller Company:**

Driller Name: W.H. HOWARD

Drill Start Date: 1950-07-25 **Drill Finish Date:** 1950-07-26 **Plug Date:**

Log File Date: 1953-06-30 **PCW Rcv Date:** 1953-06-30 **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 114 **Depth Water:**

Water Bearing Stratifications:

Top	Bottom	Description
48	113	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
70	110

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 09545			NE	SE	34	11S	33E	630735.0	3687698.0 *	

* UTM location was derived from PLSS - see Help

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

Driller Name: GLENN, CLARK A."CORKY" (LD)

Drill Start Date: 1984-08-24 **Drill Finish Date:** 1984-08-24 **Plug Date:** 1984-11-06

Log File Date: 1984-09-05 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 25

Casing Size: 6.63 **Depth Well:** 154 **Depth Water:** 70

Water Bearing Stratifications:

Top	Bottom	Description
70	150	Other/Unknown

Casing Perforations:

Top	Bottom
125	154

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.



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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/11/2025 1:04:50 PM

JOB DESCRIPTION

State BT N #1
Lea Co., NM

JOB NUMBER

880-61153-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information

Eurofins Midland

Job Notes

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

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

Authorization



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

Generated
8/11/2025 1:04:50 PM

Client: Crain Environmental
 Project/Site: State BT N #1

Laboratory Job ID: 880-61153-1
 SDG: Lea Co., NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

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

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Case Narrative

Client: Crain Environmental
Project: State BT N #1

Job ID: 880-61153-1

Job ID: 880-61153-1**Eurofins Midland****Job Narrative
880-61153-1**

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

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

Receipt

The samples were received on 8/5/2025 2:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.9°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-115882 and 880-115945 and analytical batch 880-115929 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: TH-1 (1') (880-61153-1), TH-1 (4') (880-61153-2), TH-2 (4') (880-61153-4), TH-3 (1') (880-61153-5), TH-3 (4') (880-61153-6), TH-4 (1') (880-61153-7), TH-4 (2') (880-61153-8), TH-4 (4') (880-61153-9), (880-60970-A-16-A MB) and (880-60970-A-16-B MDLV). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-115945 and analytical batch 880-115929 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-115929 recovered under the lower control limit for Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported

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

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-115922 and analytical batch 880-116303 contained Diesel Range Organics (Over C10-C28) and Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-115922/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NMClient Sample ID: TH-1 (1')
Date Collected: 08/04/25 11:15
Date Received: 08/05/25 14:45
Sample Depth: 1'Lab Sample ID: 880-61153-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/06/25 09:19	08/07/25 03:00	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/06/25 09:19	08/07/25 03:00	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/06/25 09:19	08/07/25 03:00	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/06/25 09:19	08/07/25 03:00	1
o-Xylene	<0.00158	U *+	0.00200	0.00158	mg/Kg		08/06/25 09:19	08/07/25 03:00	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/06/25 09:19	08/07/25 03:00	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+		70 - 130			08/06/25 09:19	08/07/25 03:00	1
1,4-Difluorobenzene (Surr)	107			70 - 130			08/06/25 09:19	08/07/25 03:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00400	0.00229	mg/Kg			08/07/25 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	38.7	J	50.0	15.1	mg/Kg			08/09/25 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/06/25 07:57	08/09/25 23:39	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 23:39	1
Oil Range Organics (Over C28-C36)	38.7	J B	50.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 23:39	1
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed
1-Chlorooctane	108		70 - 130					08/06/25 07:57	08/09/25 23:39
o-Terphenyl	124		70 - 130					08/06/25 07:57	08/09/25 23:39

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		9.98	0.394	mg/Kg			08/06/25 19:55	1

Client Sample ID: TH-1 (4')
Date Collected: 08/04/25 11:20
Date Received: 08/05/25 14:45
Sample Depth: 4'Lab Sample ID: 880-61153-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		08/06/25 09:19	08/07/25 03:20	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/06/25 09:19	08/07/25 03:20	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		08/06/25 09:19	08/07/25 03:20	1
m-Xylene & p-Xylene	<0.00227	U	0.00397	0.00227	mg/Kg		08/06/25 09:19	08/07/25 03:20	1
o-Xylene	<0.00157	U *+	0.00198	0.00157	mg/Kg		08/06/25 09:19	08/07/25 03:20	1
Xylenes, Total	<0.00227	U	0.00397	0.00227	mg/Kg		08/06/25 09:19	08/07/25 03:20	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Client Sample ID: TH-1 (4')
Date Collected: 08/04/25 11:20
Date Received: 08/05/25 14:45
Sample Depth: 4'

Lab Sample ID: 880-61153-2
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	08/06/25 09:19	08/07/25 03:20	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/06/25 09:19	08/07/25 03:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00397	0.00227	mg/Kg			08/07/25 03:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	34.0	J	50.0	15.1	mg/Kg			08/09/25 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/06/25 07:57	08/09/25 23:54	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 23:54	1
Oil Range Organics (Over C28-C36)	34.0	J B	50.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/06/25 07:57	08/09/25 23:54	1
o-Terphenyl	127		70 - 130	08/06/25 07:57	08/09/25 23:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		10.0	0.396	mg/Kg			08/06/25 20:12	1

Client Sample ID: TH-2 (1')

Date Collected: 08/04/25 11:30

Date Received: 08/05/25 14:45

Sample Depth: 1'

Lab Sample ID: 880-61153-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		08/06/25 09:19	08/07/25 05:10	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		08/06/25 09:19	08/07/25 05:10	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		08/06/25 09:19	08/07/25 05:10	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		08/06/25 09:19	08/07/25 05:10	1
o-Xylene	<0.00157	U *+	0.00198	0.00157	mg/Kg		08/06/25 09:19	08/07/25 05:10	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		08/06/25 09:19	08/07/25 05:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/06/25 09:19	08/07/25 05:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/06/25 09:19	08/07/25 05:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			08/07/25 05:10	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NMClient Sample ID: TH-2 (1')
Date Collected: 08/04/25 11:30
Date Received: 08/05/25 14:45
Sample Depth: 1'Lab Sample ID: 880-61153-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	41.0	J	50.0	15.1	mg/Kg			08/10/25 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		08/06/25 07:57	08/10/25 00:09	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/06/25 07:57	08/10/25 00:09	1
Oil Range Organics (Over C28-C36)	41.0	J B	50.0	15.1	mg/Kg		08/06/25 07:57	08/10/25 00:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.1		9.96	0.393	mg/Kg			08/06/25 20:18	1

Client Sample ID: TH-2 (4')

Lab Sample ID: 880-61153-4
Matrix: Solid

Date Collected: 08/04/25 11:35

Date Received: 08/05/25 14:45

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		08/06/25 09:19	08/07/25 05:31	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		08/06/25 09:19	08/07/25 05:31	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		08/06/25 09:19	08/07/25 05:31	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		08/06/25 09:19	08/07/25 05:31	1
o-Xylene	<0.00159	U *+	0.00201	0.00159	mg/Kg		08/06/25 09:19	08/07/25 05:31	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		08/06/25 09:19	08/07/25 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	08/06/25 09:19	08/07/25 05:31	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/06/25 09:19	08/07/25 05:31	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	0.00402	0.00229	mg/Kg			08/07/25 05:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	34.1	J	49.9	15.1	mg/Kg			08/10/25 00:24	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		08/06/25 07:57	08/10/25 00:24	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		08/06/25 07:57	08/10/25 00:24	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Client Sample ID: TH-2 (4')
Date Collected: 08/04/25 11:35
Date Received: 08/05/25 14:45
Sample Depth: 4'

Lab Sample ID: 880-61153-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	34.1	J B	49.9	15.1	mg/Kg	D	08/06/25 07:57	08/10/25 00:24	1
Surrogate									
1-Chlorooctane	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				08/06/25 07:57	08/10/25 00:24	1
o-Terphenyl	125		70 - 130				08/06/25 07:57	08/10/25 00:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.99	J	10.1	0.397	mg/Kg	D		08/06/25 20:24	1

Client Sample ID: TH-3 (1')**Lab Sample ID: 880-61153-5**

Matrix: Solid

Date Collected: 08/04/25 10:20

Date Received: 08/05/25 14:45

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	D	08/06/25 09:19	08/07/25 05:51	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg	D	08/06/25 09:19	08/07/25 05:51	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg	D	08/06/25 09:19	08/07/25 05:51	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg	D	08/06/25 09:19	08/07/25 05:51	1
o-Xylene	<0.00157	U *+	0.00199	0.00157	mg/Kg	D	08/06/25 09:19	08/07/25 05:51	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg	D	08/06/25 09:19	08/07/25 05:51	1
Surrogate									
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				08/06/25 09:19	08/07/25 05:51	1
1,4-Difluorobenzene (Surr)	106		70 - 130				08/06/25 09:19	08/07/25 05:51	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	D		08/07/25 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40.6	J	50.0	15.1	mg/Kg	D		08/10/25 00:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg	D	08/06/25 07:57	08/10/25 00:39	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg	D	08/06/25 07:57	08/10/25 00:39	1
Oil Range Organics (Over C28-C36)	40.6	J B	50.0	15.1	mg/Kg	D	08/06/25 07:57	08/10/25 00:39	1
Surrogate									
1-Chlorooctane	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				08/06/25 07:57	08/10/25 00:39	1
o-Terphenyl	124		70 - 130				08/06/25 07:57	08/10/25 00:39	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Client Sample ID: TH-3 (1')
Date Collected: 08/04/25 10:20
Date Received: 08/05/25 14:45
Sample Depth: 1'

Lab Sample ID: 880-61153-5
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		9.96	0.393	mg/Kg			08/06/25 20:29	1

Client Sample ID: TH-3 (4')
Date Collected: 08/04/25 10:30
Date Received: 08/05/25 14:45
Sample Depth: 4'

Lab Sample ID: 880-61153-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		08/06/25 09:19	08/07/25 06:12	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		08/06/25 09:19	08/07/25 06:12	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		08/06/25 09:19	08/07/25 06:12	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		08/06/25 09:19	08/07/25 06:12	1
o-Xylene	<0.00160	U *+	0.00202	0.00160	mg/Kg		08/06/25 09:19	08/07/25 06:12	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		08/06/25 09:19	08/07/25 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130				08/06/25 09:19	08/07/25 06:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/06/25 09:19	08/07/25 06:12	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			08/07/25 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	30.3	J	49.8	15.1	mg/Kg			08/10/25 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		08/06/25 07:57	08/10/25 01:09	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		08/06/25 07:57	08/10/25 01:09	1
Oil Range Organics (Over C28-C36)	30.3	J B	49.8	15.1	mg/Kg		08/06/25 07:57	08/10/25 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				08/06/25 07:57	08/10/25 01:09	1
o-Terphenyl	125		70 - 130				08/06/25 07:57	08/10/25 01:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.9		10.0	0.396	mg/Kg			08/06/25 20:35	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NMClient Sample ID: TH-4 (1')
Date Collected: 08/04/25 10:00
Date Received: 08/05/25 14:45
Sample Depth: 1'Lab Sample ID: 880-61153-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00202	0.00140	mg/Kg		08/06/25 09:19	08/07/25 06:32	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		08/06/25 09:19	08/07/25 06:32	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		08/06/25 09:19	08/07/25 06:32	1
m-Xylene & p-Xylene	<0.00230	U	0.00403	0.00230	mg/Kg		08/06/25 09:19	08/07/25 06:32	1
o-Xylene	<0.00160	U *+	0.00202	0.00160	mg/Kg		08/06/25 09:19	08/07/25 06:32	1
Xylenes, Total	<0.00230	U	0.00403	0.00230	mg/Kg		08/06/25 09:19	08/07/25 06:32	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+		70 - 130			08/06/25 09:19	08/07/25 06:32	1
1,4-Difluorobenzene (Surr)	109			70 - 130			08/06/25 09:19	08/07/25 06:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00403	0.00230	mg/Kg			08/07/25 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	39.0	J	49.9	15.1	mg/Kg			08/10/25 01:24	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		08/06/25 07:57	08/10/25 01:24	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		08/06/25 07:57	08/10/25 01:24	1
Oil Range Organics (Over C28-C36)	39.0	J B	49.9	15.1	mg/Kg		08/06/25 07:57	08/10/25 01:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/06/25 07:57	08/10/25 01:24	1
o-Terphenyl	124		70 - 130				08/06/25 07:57	08/10/25 01:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		9.96	0.393	mg/Kg			08/06/25 20:41	1

Client Sample ID: TH-4 (2')
Date Collected: 08/04/25 10:05
Date Received: 08/05/25 14:45
Sample Depth: 2'Lab Sample ID: 880-61153-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		08/06/25 09:19	08/07/25 06:53	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		08/06/25 09:19	08/07/25 06:53	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		08/06/25 09:19	08/07/25 06:53	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		08/06/25 09:19	08/07/25 06:53	1
o-Xylene	<0.00157	U *+	0.00199	0.00157	mg/Kg		08/06/25 09:19	08/07/25 06:53	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		08/06/25 09:19	08/07/25 06:53	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Client Sample ID: TH-4 (2')
Date Collected: 08/04/25 10:05
Date Received: 08/05/25 14:45
Sample Depth: 2'

Lab Sample ID: 880-61153-8
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	08/06/25 09:19	08/07/25 06:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/06/25 09:19	08/07/25 06:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			08/07/25 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	30.9	J	49.9	15.1	mg/Kg			08/10/25 01:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg			08/10/25 01:39	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg			08/10/25 01:39	1
Oil Range Organics (Over C28-C36)	30.9	J B	49.9	15.1	mg/Kg			08/10/25 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	08/06/25 07:57	08/10/25 01:39	1
o-Terphenyl	127		70 - 130	08/06/25 07:57	08/10/25 01:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	386		10.1	0.398	mg/Kg			08/06/25 20:46	1

Client Sample ID: TH-4 (4')**Lab Sample ID: 880-61153-9**

Matrix: Solid

Date Collected: 08/04/25 10:10

Date Received: 08/05/25 14:45

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg			08/07/25 07:13	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg			08/07/25 07:13	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg			08/07/25 07:13	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg			08/07/25 07:13	1
o-Xylene	<0.00158	U *+	0.00200	0.00158	mg/Kg			08/07/25 07:13	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg			08/07/25 07:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	08/06/25 09:19	08/07/25 07:13	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/06/25 09:19	08/07/25 07:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			08/07/25 07:13	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NM**Client Sample ID: TH-4 (4')**
Date Collected: 08/04/25 10:10
Date Received: 08/05/25 14:45
Sample Depth: 4'**Lab Sample ID: 880-61153-9**
Matrix: Solid**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	29.7	J	49.8	15.1	mg/Kg			08/10/25 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		08/06/25 07:57	08/10/25 01:54	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		08/06/25 07:57	08/10/25 01:54	1
Oil Range Organics (Over C28-C36)	29.7	J B	49.8	15.1	mg/Kg		08/06/25 07:57	08/10/25 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	08/06/25 07:57	08/10/25 01:54	1
<i>o</i> -Terphenyl	125		70 - 130	08/06/25 07:57	08/10/25 01:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.8		9.90	0.391	mg/Kg			08/07/25 04:08	1

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Surrogate Summary

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-61152-A-1-E MS	Matrix Spike	116	99
880-61152-A-1-F MSD	Matrix Spike Duplicate	114	99
880-61153-1	TH-1 (1')	141 S1+	107
880-61153-2	TH-1 (4')	137 S1+	110
880-61153-3	TH-2 (1')	116	101
880-61153-4	TH-2 (4')	132 S1+	110
880-61153-5	TH-3 (1')	132 S1+	106
880-61153-6	TH-3 (4')	141 S1+	108
880-61153-7	TH-4 (1')	136 S1+	109
880-61153-8	TH-4 (2')	134 S1+	102
880-61153-9	TH-4 (4')	148 S1+	113
LCS 880-115945/1-A	Lab Control Sample	116	103
LCSD 880-115945/2-A	Lab Control Sample Dup	121	98
MB 880-115882/5-A	Method Blank	167 S1+	92
MB 880-115945/5-A	Method Blank	196 S1+	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-61152-A-1-B MS	Matrix Spike	107	110
880-61152-A-1-C MSD	Matrix Spike Duplicate	108	111
880-61153-1	TH-1 (1')	108	124
880-61153-2	TH-1 (4')	109	127
880-61153-3	TH-2 (1')	108	126
880-61153-4	TH-2 (4')	108	125
880-61153-5	TH-3 (1')	107	124
880-61153-6	TH-3 (4')	108	125
880-61153-7	TH-4 (1')	105	124
880-61153-8	TH-4 (2')	108	127
880-61153-9	TH-4 (4')	107	125
LCS 880-115922/2-A	Lab Control Sample	121	129
LCSD 880-115922/3-A	Lab Control Sample Dup	126	131 S1+
MB 880-115922/1-A	Method Blank	100	119

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115882/5-A

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115882

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/05/25 13:07	08/06/25 12:10	1
Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130	08/05/25 13:07	08/06/25 12:10	1			
1,4-Difluorobenzene (Surr)	92		70 - 130	08/05/25 13:07	08/06/25 12:10	1			

Lab Sample ID: MB 880-115945/5-A

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115945

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		08/06/25 09:19	08/06/25 23:48	1
Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130	08/06/25 09:19	08/06/25 23:48	1			
1,4-Difluorobenzene (Surr)	99		70 - 130	08/06/25 09:19	08/06/25 23:48	1			

Lab Sample ID: LCS 880-115945/1-A

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115945

Analyte	Spike		RL	MDL	Unit	D	%Rec	
	Added	Result					%Rec	Limits
Benzene	0.100	0.1030		0.00139	mg/Kg		103	70 - 130
Toluene	0.100	0.09641		0.00200	mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09514		0.00109	mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2389		0.00229	mg/Kg		119	70 - 130
o-Xylene	0.100	0.1315	*+	0.00158	mg/Kg		131	70 - 130
Surrogate	LCS		Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	116	S1+	70 - 130	08/06/25 09:19	08/06/25 23:48	1		
1,4-Difluorobenzene (Surr)	103		70 - 130	08/06/25 09:19	08/06/25 23:48	1		

Lab Sample ID: LCSD 880-115945/2-A

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115945

Analyte	Spike		RL	MDL	Unit	D	%Rec	
	Added	Result					%Rec	Limits
Benzene	0.100	0.1033		0.00139	mg/Kg		103	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

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

Lab Sample ID: LCSD 880-115945/2-A

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 115945

Analyte	Spike Added	LCSD		Unit	D	%Rec	Limits	RPD	RPD Limit
		Result	Qualifier						
Toluene	0.100	0.09374		mg/Kg		94	70 - 130	3	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2474		mg/Kg		124	70 - 130	3	35
o-Xylene	0.100	0.1365	*+	mg/Kg		136	70 - 130	4	35

Surrogate	LCSD		LCSD		Limits
	%Recovery	Qualifier	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	121				70 - 130
1,4-Difluorobenzene (Surr)	98				70 - 130

Lab Sample ID: 880-61152-A-1-E MS

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 115945

Analyte	Sample		Spike		MS		MS		%Rec	Limits
	Result	Qualifier	Added		Result	Qualifier	Unit	D		
Benzene	<0.00139	U	0.100		0.09860		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100		0.09817		mg/Kg		98	70 - 130
Ethylbenzene	<0.00109	U	0.100		0.09203		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200		0.2269		mg/Kg		113	70 - 130
o-Xylene	<0.00158	U *+	0.100		0.1247		mg/Kg		125	70 - 130

Surrogate	MS		MS		Limits
	%Recovery	Qualifier	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116				70 - 130
1,4-Difluorobenzene (Surr)	99				70 - 130

Lab Sample ID: 880-61152-A-1-F MSD

Matrix: Solid

Analysis Batch: 115929

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115945

Analyte	Sample		Spike		MSD		MSD		%Rec	RPD	RPD Limit	
	Result	Qualifier	Added		Result	Qualifier	Unit	D				
Benzene	<0.00139	U	0.100		0.09705		mg/Kg		97	70 - 130	2	35
Toluene	<0.00200	U	0.100		0.09045		mg/Kg		90	70 - 130	8	35
Ethylbenzene	<0.00109	U	0.100		0.07749		mg/Kg		77	70 - 130	17	35
m-Xylene & p-Xylene	<0.00228	U	0.200		0.1888		mg/Kg		94	70 - 130	18	35
o-Xylene	<0.00158	U *+	0.100		0.1199		mg/Kg		120	70 - 130	4	35

Surrogate	MSD		MSD		Limits
	%Recovery	Qualifier	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114				70 - 130
1,4-Difluorobenzene (Surr)	99				70 - 130

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

Lab Sample ID: MB 880-115922/1-A

Matrix: Solid

Analysis Batch: 116303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115922

Analyte	MB		MB		Dil Fac	
	Result	Qualifier	RL	MDL		
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NM

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

Lab Sample ID: MB 880-115922/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116303

Prep Batch: 115922

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 08:13	1
Oil Range Organics (Over C28-C36)	23.71	J	50.0	15.1	mg/Kg		08/06/25 07:57	08/09/25 08:13	1
MB MB									
Surrogate	%Recovery		Qualifier	Limits		D	Prepared	Analyzed	Dil Fac
	100			70 - 130					
1-Chlorooctane	100		o-Terphenyl	70 - 130		08/06/25 07:57	08/09/25 08:13	1	1
o-Terphenyl	119			70 - 130					

Lab Sample ID: LCS 880-115922/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116303

Prep Batch: 115922

Analyte	Spike		LCS	LCS	Unit	D	%Rec	Limits			
	Added	Result									
Gasoline Range Organics (GRO)-C6-C10	1000	1042	mg/Kg		104	70 - 130					
Diesel Range Organics (Over C10-C28)	1000	986.2	mg/Kg		99	70 - 130					
LCS LCS											
Surrogate	%Recovery		Qualifier	Limits		D	%Rec	Limits			
	121			70 - 130							
1-Chlorooctane	121		o-Terphenyl	70 - 130							
o-Terphenyl	129			70 - 130							

Lab Sample ID: LCSD 880-115922/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116303

Prep Batch: 115922

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	RPD			
	Added	Result									
Gasoline Range Organics (GRO)-C6-C10	1000	1064	mg/Kg		106	70 - 130	2	20			
Diesel Range Organics (Over C10-C28)	1000	1020	mg/Kg		102	70 - 130	3	20			
LCSD LCSD											
Surrogate	%Recovery		Qualifier	Limits		D	%Rec	Limit			
	126			70 - 130							
1-Chlorooctane	126		o-Terphenyl	70 - 130							
o-Terphenyl	131			70 - 130							

Lab Sample ID: 880-61152-A-1-B MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 116303

Prep Batch: 115922

Analyte	Sample		Spike	MS	MS	Unit	D	%Rec			
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	998	837.7	mg/Kg		84	70 - 130			
Diesel Range Organics (Over C10-C28)	<15.1	U	998	892.4	mg/Kg		89	70 - 130			
MS MS											
Surrogate	%Recovery		Qualifier	Limits		D	%Rec	Limit			
	107			70 - 130							
1-Chlorooctane	107		o-Terphenyl	70 - 130							
o-Terphenyl	110			70 - 130							

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-61152-A-1-C MSD

Matrix: Solid

Analysis Batch: 116303

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 115922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	998	868.9		mg/Kg		87	4	20
Diesel Range Organics (Over C10-C28)	<15.1	U	998	918.7		mg/Kg		92	70 - 130	3
Surrogate										
MSD %Recovery Qualifier Limits										
1-Chlorooctane	108			70 - 130						
<i>o</i> -Terphenyl	111			70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115934/1-A

Matrix: Solid

Analysis Batch: 115981

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			08/06/25 17:56	1

Lab Sample ID: LCS 880-115934/2-A

Matrix: Solid

Analysis Batch: 115981

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chloride	250	228.5		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-115934/3-A

Matrix: Solid

Analysis Batch: 115981

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Chloride	250	228.9		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-61152-A-4-C MS

Matrix: Solid

Analysis Batch: 115981

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Chloride	6.33	J	249	235.2		mg/Kg		92	90 - 110

Lab Sample ID: 880-61152-A-4-D MSD

Matrix: Solid

Analysis Batch: 115981

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	RPD	RPD Limit
Chloride	6.33	J	249	235.7		mg/Kg		92	90 - 110	0

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-115982/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 116003

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	<0.395									

Lab Sample ID: LCS 880-115982/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 116003

Analyte	Spike	LC	LC	Result	Qualifier	Unit	D	%Rec	Limits	RPD
		Added	Result							

Lab Sample ID: LCSD 880-115982/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 116003

Analyte	Spike	LCSD	LCSD	Result	Qualifier	Unit	D	%Rec	Limits	RPD
		Added	Result							

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NM

GC VOA

Prep Batch: 115882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-115882/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-1	TH-1 (1')	Total/NA	Solid	8021B	115945
880-61153-2	TH-1 (4')	Total/NA	Solid	8021B	115945
880-61153-3	TH-2 (1')	Total/NA	Solid	8021B	115945
880-61153-4	TH-2 (4')	Total/NA	Solid	8021B	115945
880-61153-5	TH-3 (1')	Total/NA	Solid	8021B	115945
880-61153-6	TH-3 (4')	Total/NA	Solid	8021B	115945
880-61153-7	TH-4 (1')	Total/NA	Solid	8021B	115945
880-61153-8	TH-4 (2')	Total/NA	Solid	8021B	115945
880-61153-9	TH-4 (4')	Total/NA	Solid	8021B	115945
MB 880-115882/5-A	Method Blank	Total/NA	Solid	8021B	115882
MB 880-115945/5-A	Method Blank	Total/NA	Solid	8021B	115945
LCS 880-115945/1-A	Lab Control Sample	Total/NA	Solid	8021B	115945
LCSD 880-115945/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115945
880-61152-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	115945
880-61152-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	115945

Prep Batch: 115945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-1	TH-1 (1')	Total/NA	Solid	5035	
880-61153-2	TH-1 (4')	Total/NA	Solid	5035	
880-61153-3	TH-2 (1')	Total/NA	Solid	5035	
880-61153-4	TH-2 (4')	Total/NA	Solid	5035	
880-61153-5	TH-3 (1')	Total/NA	Solid	5035	
880-61153-6	TH-3 (4')	Total/NA	Solid	5035	
880-61153-7	TH-4 (1')	Total/NA	Solid	5035	
880-61153-8	TH-4 (2')	Total/NA	Solid	5035	
880-61153-9	TH-4 (4')	Total/NA	Solid	5035	
MB 880-115945/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115945/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115945/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-61152-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-61152-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 116141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-1	TH-1 (1')	Total/NA	Solid	Total BTEX	
880-61153-2	TH-1 (4')	Total/NA	Solid	Total BTEX	
880-61153-3	TH-2 (1')	Total/NA	Solid	Total BTEX	
880-61153-4	TH-2 (4')	Total/NA	Solid	Total BTEX	
880-61153-5	TH-3 (1')	Total/NA	Solid	Total BTEX	
880-61153-6	TH-3 (4')	Total/NA	Solid	Total BTEX	
880-61153-7	TH-4 (1')	Total/NA	Solid	Total BTEX	
880-61153-8	TH-4 (2')	Total/NA	Solid	Total BTEX	
880-61153-9	TH-4 (4')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NM

GC Semi VOA

Prep Batch: 115922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-1	TH-1 (1')	Total/NA	Solid	8015NM Prep	
880-61153-2	TH-1 (4')	Total/NA	Solid	8015NM Prep	
880-61153-3	TH-2 (1')	Total/NA	Solid	8015NM Prep	
880-61153-4	TH-2 (4')	Total/NA	Solid	8015NM Prep	
880-61153-5	TH-3 (1')	Total/NA	Solid	8015NM Prep	
880-61153-6	TH-3 (4')	Total/NA	Solid	8015NM Prep	
880-61153-7	TH-4 (1')	Total/NA	Solid	8015NM Prep	
880-61153-8	TH-4 (2')	Total/NA	Solid	8015NM Prep	
880-61153-9	TH-4 (4')	Total/NA	Solid	8015NM Prep	
MB 880-115922/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115922/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115922/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-61152-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-61152-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-1	TH-1 (1')	Total/NA	Solid	8015B NM	115922
880-61153-2	TH-1 (4')	Total/NA	Solid	8015B NM	115922
880-61153-3	TH-2 (1')	Total/NA	Solid	8015B NM	115922
880-61153-4	TH-2 (4')	Total/NA	Solid	8015B NM	115922
880-61153-5	TH-3 (1')	Total/NA	Solid	8015B NM	115922
880-61153-6	TH-3 (4')	Total/NA	Solid	8015B NM	115922
880-61153-7	TH-4 (1')	Total/NA	Solid	8015B NM	115922
880-61153-8	TH-4 (2')	Total/NA	Solid	8015B NM	115922
880-61153-9	TH-4 (4')	Total/NA	Solid	8015B NM	115922
MB 880-115922/1-A	Method Blank	Total/NA	Solid	8015B NM	115922
LCS 880-115922/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115922
LCSD 880-115922/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115922
880-61152-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	115922
880-61152-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	115922

Analysis Batch: 116385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-1	TH-1 (1')	Total/NA	Solid	8015 NM	
880-61153-2	TH-1 (4')	Total/NA	Solid	8015 NM	
880-61153-3	TH-2 (1')	Total/NA	Solid	8015 NM	
880-61153-4	TH-2 (4')	Total/NA	Solid	8015 NM	
880-61153-5	TH-3 (1')	Total/NA	Solid	8015 NM	
880-61153-6	TH-3 (4')	Total/NA	Solid	8015 NM	
880-61153-7	TH-4 (1')	Total/NA	Solid	8015 NM	
880-61153-8	TH-4 (2')	Total/NA	Solid	8015 NM	
880-61153-9	TH-4 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 115934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-1	TH-1 (1')	Soluble	Solid	DI Leach	
880-61153-2	TH-1 (4')	Soluble	Solid	DI Leach	
880-61153-3	TH-2 (1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NM

HPLC/IC (Continued)

Leach Batch: 115934 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-4	TH-2 (4')	Soluble	Solid	DI Leach	
880-61153-5	TH-3 (1')	Soluble	Solid	DI Leach	
880-61153-6	TH-3 (4')	Soluble	Solid	DI Leach	
880-61153-7	TH-4 (1')	Soluble	Solid	DI Leach	
880-61153-8	TH-4 (2')	Soluble	Solid	DI Leach	
MB 880-115934/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115934/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115934/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61152-A-4-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-61152-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 115981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-1	TH-1 (1')	Soluble	Solid	300.0	115934
880-61153-2	TH-1 (4')	Soluble	Solid	300.0	115934
880-61153-3	TH-2 (1')	Soluble	Solid	300.0	115934
880-61153-4	TH-2 (4')	Soluble	Solid	300.0	115934
880-61153-5	TH-3 (1')	Soluble	Solid	300.0	115934
880-61153-6	TH-3 (4')	Soluble	Solid	300.0	115934
880-61153-7	TH-4 (1')	Soluble	Solid	300.0	115934
880-61153-8	TH-4 (2')	Soluble	Solid	300.0	115934
MB 880-115934/1-A	Method Blank	Soluble	Solid	300.0	115934
LCS 880-115934/2-A	Lab Control Sample	Soluble	Solid	300.0	115934
LCSD 880-115934/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115934
880-61152-A-4-C MS	Matrix Spike	Soluble	Solid	300.0	115934
880-61152-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	115934

Leach Batch: 115982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-9	TH-4 (4')	Soluble	Solid	DI Leach	
MB 880-115982/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115982/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115982/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-61153-9 MS	TH-4 (4')	Soluble	Solid	DI Leach	
880-61153-9 MSD	TH-4 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 116003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-61153-9	TH-4 (4')	Soluble	Solid	300.0	115982
MB 880-115982/1-A	Method Blank	Soluble	Solid	300.0	115982
LCS 880-115982/2-A	Lab Control Sample	Soluble	Solid	300.0	115982
LCSD 880-115982/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115982
880-61153-9 MS	TH-4 (4')	Soluble	Solid	300.0	115982
880-61153-9 MSD	TH-4 (4')	Soluble	Solid	300.0	115982

Lab Chronicle

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-61153-1
SDG: Lea Co., NM

Client Sample ID: TH-1 (1')

Date Collected: 08/04/25 11:15

Date Received: 08/05/25 14:45

Lab Sample ID: 880-61153-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 03:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 03:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			116385	08/09/25 23:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/09/25 23:39	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 19:55	CS	EET MID

Client Sample ID: TH-1 (4')

Date Collected: 08/04/25 11:20

Date Received: 08/05/25 14:45

Lab Sample ID: 880-61153-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 03:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			116385	08/09/25 23:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/09/25 23:54	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 20:12	CS	EET MID

Client Sample ID: TH-2 (1')

Date Collected: 08/04/25 11:30

Date Received: 08/05/25 14:45

Lab Sample ID: 880-61153-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 05:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 05:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			116385	08/10/25 00:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/10/25 00:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 20:18	CS	EET MID

Client Sample ID: TH-2 (4')

Date Collected: 08/04/25 11:35

Date Received: 08/05/25 14:45

Lab Sample ID: 880-61153-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 05:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 05:31	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Client Sample ID: TH-2 (4')

Lab Sample ID: 880-61153-4

Matrix: Solid

Date Collected: 08/04/25 11:35
Date Received: 08/05/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			116385	08/10/25 00:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/10/25 00:24	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 20:24	CS	EET MID

Client Sample ID: TH-3 (1')

Lab Sample ID: 880-61153-5

Matrix: Solid

Date Collected: 08/04/25 10:20
Date Received: 08/05/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 05:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 05:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			116385	08/10/25 00:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/10/25 00:39	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 20:29	CS	EET MID

Client Sample ID: TH-3 (4')

Lab Sample ID: 880-61153-6

Matrix: Solid

Date Collected: 08/04/25 10:30
Date Received: 08/05/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 06:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			116385	08/10/25 01:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/10/25 01:09	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 20:35	CS	EET MID

Client Sample ID: TH-4 (1')

Lab Sample ID: 880-61153-7

Matrix: Solid

Date Collected: 08/04/25 10:00
Date Received: 08/05/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 06:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			116385	08/10/25 01:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/10/25 01:24	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
SDG: Lea Co., NM

Client Sample ID: TH-4 (1')

Lab Sample ID: 880-61153-7

Matrix: Solid

Date Collected: 08/04/25 10:00
Date Received: 08/05/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 20:41	CS	EET MID

Client Sample ID: TH-4 (2')

Lab Sample ID: 880-61153-8

Matrix: Solid

Date Collected: 08/04/25 10:05
Date Received: 08/05/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 06:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 06:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			116385	08/10/25 01:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/10/25 01:39	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115934	08/06/25 08:38	SI	EET MID
Soluble	Analysis	300.0		1			115981	08/06/25 20:46	CS	EET MID

Client Sample ID: TH-4 (4')

Lab Sample ID: 880-61153-9

Matrix: Solid

Date Collected: 08/04/25 10:10
Date Received: 08/05/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115945	08/06/25 09:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115929	08/07/25 07:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116141	08/07/25 07:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			116385	08/10/25 01:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	115922	08/06/25 07:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116303	08/10/25 01:54	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	115982	08/06/25 12:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	116003	08/07/25 04:08	CS	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
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



Eurofins Midland

Method Summary

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-61153-1
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

Eurofins Midland

Sample Summary

Client: Crain Environmental
 Project/Site: State BT N #1

Job ID: 880-61153-1
 SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
880-61153-1	TH-1 (1')	Solid	08/04/25 11:15	08/05/25 14:45	1'	
880-61153-2	TH-1 (4')	Solid	08/04/25 11:20	08/05/25 14:45	4'	
880-61153-3	TH-2 (1')	Solid	08/04/25 11:30	08/05/25 14:45	1'	
880-61153-4	TH-2 (4')	Solid	08/04/25 11:35	08/05/25 14:45	4'	
880-61153-5	TH-3 (1')	Solid	08/04/25 10:20	08/05/25 14:45	1'	
880-61153-6	TH-3 (4')	Solid	08/04/25 10:30	08/05/25 14:45	4'	
880-61153-7	TH-4 (1')	Solid	08/04/25 10:00	08/05/25 14:45	1'	
880-61153-8	TH-4 (2')	Solid	08/04/25 10:05	08/05/25 14:45	2'	
880-61153-9	TH-4 (4')	Solid	08/04/25 10:10	08/05/25 14:45	4'	

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Eurofins Midland



Environment Testing
Xenco

Chain of Custody

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



Project Manager:	Lindy Chain		Bill to: (if different)	Nicole Cornwell	
Company Name:	Chain Environmental		Company Name:	BXPF	
Address:	2925 E. 17th St.		Address:	11757 Katy Frey, Ste. 475	
City, State ZIP:	Abilene, TX 79701		City, State ZIP:	Houston, TX 77079	
Phone:	(512) 441-7244		Email:	lindy.chain@gmail.com	

Project Name:	ANALYSIS REQUEST					
	State BT N #1	Turn Around	Routine	Rush	Pres. Code	
Project Number:	-					
Project Location:	Geo Co., NM					
Sampler's Name:	Lindy Chain					
PO #:						
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/>	Wet Ice: <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples Received Intact:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Thermometer ID:	77015M		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Correction Factor:	BTEX		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Reading:	Chlorides		
Total Containers:	1					
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grav/ Comp	# of Cont
TH-1 (1')	S	8/4/25	11:15	1'	G	1
TH-1 (4')			11:20	4'		
TH-2 (1')			11:30	1'		
TH-2 (4')			11:35	4'		
TH-3 (1')			10:20	1'		
TH-3 (4')			10:30	4'		
TH-4 (1')			10:00	1'		
TH-4 (2')			10:05	2'		
TH-4 (4')			10:10	4'		

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn		
Circle Method(s) and Metal(s) to be analyzed				
TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U				
Hg: 1631 / 245.1 / 7470 / 7471				
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the costs of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These items will be enforced unless previously negotiated.				
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time
1 Lindy Chain		8/5/25 11:45		
2				
3				
4				
5				

Reviewed Date: 08/25/2020 Rev. 2020

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Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-61153-1

SDG Number: Lea Co., NM

Login Number: 61153**List Source: Eurofins Midland****List Number: 1****Creator: Vasquez, Julisa**

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/26/2025 2:43:20 PM

JOB DESCRIPTION

State BT N #1
Lea County NM

JOB NUMBER

880-65324-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information

Eurofins Midland

Job Notes

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

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

Authorization



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

Generated
11/26/2025 2:43:20 PM

Client: Crain Environmental
Project/Site: State BT N #1

Laboratory Job ID: 880-65324-1
SDG: Lea County NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

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

Case Narrative

Client: Crain Environmental
Project: State BT N #1

Job ID: 880-65324-1

Job ID: 880-65324-1**Eurofins Midland****Job Narrative
880-65324-1**

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

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

Receipt

The samples were received on 11/21/2025 12:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-124704 and analytical batch 880-125063 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (880-65324-1) and B-1 (880-65324-5). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

Client Sample ID: S-1
Date Collected: 11/19/25 16:30
Date Received: 11/21/25 12:11
Sample Depth: 0-2'

Lab Sample ID: 880-65324-1
Matrix: Solid

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		11/24/25 08:37	11/25/25 16:36	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		11/24/25 08:37	11/25/25 16:36	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		11/24/25 08:37	11/25/25 16:36	1
m-Xylene & p-Xylene	0.00228	J	0.00399	0.00228	mg/Kg		11/24/25 08:37	11/25/25 16:36	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		11/24/25 08:37	11/25/25 16:36	1
Xylenes, Total	0.00228	J	0.00399	0.00228	mg/Kg		11/24/25 08:37	11/25/25 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				11/24/25 08:37	11/25/25 16:36	1
1,4-Difluorobenzene (Surr)	92		70 - 130				11/24/25 08:37	11/25/25 16:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00228	J	0.00399	0.00228	mg/Kg			11/25/25 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	39		50.0	15.1	mg/Kg			11/25/25 19:30	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		11/21/25 12:25	11/25/25 19:30	1
Diesel Range Organics (Over C10-C28)	39 *+*1		50.0	15.1	mg/Kg		11/21/25 12:25	11/25/25 19:30	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		11/21/25 12:25	11/25/25 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				11/21/25 12:25	11/25/25 19:30	1
<i>o-Terphenyl</i>	144	S1+	70 - 130				11/21/25 12:25	11/25/25 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.9		10.1	0.399	mg/Kg			11/24/25 19:53	1

Client Sample ID: S-2
Date Collected: 11/19/25 16:34
Date Received: 11/21/25 12:11
Sample Depth: 0-2'

Lab Sample ID: 880-65324-2
Matrix: Solid

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		11/24/25 08:37	11/25/25 17:58	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		11/24/25 08:37	11/25/25 17:58	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		11/24/25 08:37	11/25/25 17:58	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		11/24/25 08:37	11/25/25 17:58	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		11/24/25 08:37	11/25/25 17:58	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		11/24/25 08:37	11/25/25 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				11/24/25 08:37	11/25/25 17:58	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-65324-1
SDG: Lea County NM**Client Sample ID: S-2**
Date Collected: 11/19/25 16:34
Date Received: 11/21/25 12:11
Sample Depth: 0-2'**Lab Sample ID: 880-65324-2**
Matrix: Solid**Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	11/24/25 08:37	11/25/25 17:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			11/25/25 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.9		49.8	15.1	mg/Kg			11/25/25 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg			11/25/25 19:45	1
Diesel Range Organics (Over C10-C28)	54.9 *+ *1		49.8	15.1	mg/Kg			11/25/25 19:45	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg			11/25/25 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/25/25 19:45	1	
o-Terphenyl	116		70 - 130				11/25/25 19:45	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		10.1	0.397	mg/Kg			11/24/25 19:58	1

Client Sample ID: S-3**Lab Sample ID: 880-65324-3**

Date Collected: 11/19/25 16:38

Matrix: Solid

Date Received: 11/21/25 12:11

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			11/25/25 18:19	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg			11/25/25 18:19	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg			11/25/25 18:19	1
m-Xylene & p-Xylene	0.00235	J	0.00398	0.00227	mg/Kg			11/25/25 18:19	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg			11/25/25 18:19	1
Xylenes, Total	0.00235	J	0.00398	0.00227	mg/Kg			11/25/25 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				11/25/25 18:19	1	
1,4-Difluorobenzene (Surr)	92		70 - 130				11/25/25 18:19	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00235	J	0.00398	0.00227	mg/Kg			11/25/25 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40.3	J	49.8	15.1	mg/Kg			11/25/25 20:01	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-65324-1
SDG: Lea County NMClient Sample ID: S-3
Date Collected: 11/19/25 16:38
Date Received: 11/21/25 12:11
Sample Depth: 0-2'Lab Sample ID: 880-65324-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		11/21/25 12:25	11/25/25 20:01	1
Diesel Range Organics (Over C10-C28)	40.3	J *+ *1	49.8	15.1	mg/Kg		11/21/25 12:25	11/25/25 20:01	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		11/21/25 12:25	11/25/25 20:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/21/25 12:25	11/25/25 20:01	1
o-Terphenyl	119		70 - 130				11/21/25 12:25	11/25/25 20:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.0		10.0	0.396	mg/Kg			11/24/25 20:14	1

Client Sample ID: S-4
Date Collected: 11/19/25 16:42
Date Received: 11/21/25 12:11
Sample Depth: 0-2'Lab Sample ID: 880-65324-4
Matrix: Solid

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		11/24/25 08:37	11/25/25 18:39	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		11/24/25 08:37	11/25/25 18:39	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		11/24/25 08:37	11/25/25 18:39	1
m-Xylene & p-Xylene	0.00232	J	0.00396	0.00226	mg/Kg		11/24/25 08:37	11/25/25 18:39	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		11/24/25 08:37	11/25/25 18:39	1
Xylenes, Total	0.00232	J	0.00396	0.00226	mg/Kg		11/24/25 08:37	11/25/25 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				11/24/25 08:37	11/25/25 18:39	1
1,4-Difluorobenzene (Surr)	88		70 - 130				11/24/25 08:37	11/25/25 18:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00232	J	0.00396	0.00226	mg/Kg			11/25/25 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.0		49.9	15.1	mg/Kg			11/25/25 20:16	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	49.9	14.5	mg/Kg		11/21/25 12:25	11/25/25 20:16	1
Diesel Range Organics (Over C10-C28)	52.0	*+ *1	49.9	15.1	mg/Kg		11/21/25 12:25	11/25/25 20:16	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		11/21/25 12:25	11/25/25 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				11/21/25 12:25	11/25/25 20:16	1
o-Terphenyl	123		70 - 130				11/21/25 12:25	11/25/25 20:16	1

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Client Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

Client Sample ID: S-4
Date Collected: 11/19/25 16:42
Date Received: 11/21/25 12:11
Sample Depth: 0-2'

Lab Sample ID: 880-65324-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		9.96	0.393	mg/Kg			11/24/25 20:20	1

Client Sample ID: B-1

Lab Sample ID: 880-65324-5
Matrix: Solid

Date Collected: 11/19/25 16:47
Date Received: 11/21/25 12:11
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		11/24/25 08:37	11/25/25 19:00	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		11/24/25 08:37	11/25/25 19:00	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		11/24/25 08:37	11/25/25 19:00	1
m-Xylene & p-Xylene	0.00226	J	0.00396	0.00226	mg/Kg		11/24/25 08:37	11/25/25 19:00	1
o-Xylene	<0.00157	U	0.00198	0.00157	mg/Kg		11/24/25 08:37	11/25/25 19:00	1
Xylenes, Total	0.00226	J	0.00396	0.00226	mg/Kg		11/24/25 08:37	11/25/25 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				11/24/25 08:37	11/25/25 19:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130				11/24/25 08:37	11/25/25 19:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00226	J	0.00396	0.00226	mg/Kg			11/25/25 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.3		50.0	15.1	mg/Kg			11/25/25 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		11/21/25 12:25	11/25/25 20:31	1
Diesel Range Organics (Over C10-C28)	59.3	*+*1	50.0	15.1	mg/Kg		11/21/25 12:25	11/25/25 20:31	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		11/21/25 12:25	11/25/25 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				11/21/25 12:25	11/25/25 20:31	1
<i>o-Terphenyl</i>	139	S1+	70 - 130				11/21/25 12:25	11/25/25 20:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		9.98	0.394	mg/Kg			11/24/25 20:25	1

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Surrogate Summary

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)									
880-65324-1	S-1	123	92									
880-65324-2	S-2	124	92									
880-65324-3	S-3	126	92									
880-65324-4	S-4	125	88									
880-65324-5	B-1	121	92									
880-65353-A-1-B MS	Matrix Spike	125	90									
880-65353-A-1-C MSD	Matrix Spike Duplicate	122	95									
LCS 880-124848/1-A	Lab Control Sample	117	92									
LCSD 880-124848/2-A	Lab Control Sample Dup	121	92									
MB 880-124848/5-A	Method Blank	110	87									

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)									
880-65270-A-60-C MS	Matrix Spike	109	127									
880-65270-A-60-D MSD	Matrix Spike Duplicate	107	121									
880-65324-1	S-1	117	144 S1+									
880-65324-2	S-2	109	116									
880-65324-3	S-3	110	119									
880-65324-4	S-4	117	123									
880-65324-5	B-1	118	139 S1+									
LCS 880-124704/2-A	Lab Control Sample	99	109									
LCSD 880-124704/3-A	Lab Control Sample Dup	121	177 S1+									
MB 880-124704/1-A	Method Blank	110	130									

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-65324-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-124848/5-A

Matrix: Solid

Analysis Batch: 125001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124848

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		11/24/25 08:37	11/25/25 13:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		11/24/25 08:37	11/25/25 13:10	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		11/24/25 08:37	11/25/25 13:10	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		11/24/25 08:37	11/25/25 13:10	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		11/24/25 08:37	11/25/25 13:10	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		11/24/25 08:37	11/25/25 13:10	1
Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	110		70 - 130	11/24/25 08:37	11/25/25 13:10	1			
1,4-Difluorobenzene (Surr)	87		70 - 130	11/24/25 08:37	11/25/25 13:10	1			

Lab Sample ID: LCS 880-124848/1-A

Matrix: Solid

Analysis Batch: 125001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124848

Analyte	Spike		Unit	D	%Rec		Limits		
	Added	Result			%Rec				
Benzene	0.100	0.09585	mg/Kg		96	70 - 130			
Toluene	0.100	0.09894	mg/Kg		99	70 - 130			
Ethylbenzene	0.100	0.09516	mg/Kg		95	70 - 130			
m-Xylene & p-Xylene	0.200	0.1836	mg/Kg		92	70 - 130			
o-Xylene	0.100	0.1038	mg/Kg		104	70 - 130			
Surrogate	LCS		Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	117		70 - 130	11/24/25 08:37	11/25/25 13:10	1			
1,4-Difluorobenzene (Surr)	92		70 - 130	11/24/25 08:37	11/25/25 13:10	1			

Lab Sample ID: LCSD 880-124848/2-A

Matrix: Solid

Analysis Batch: 125001

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124848

Analyte	Spike		Unit	D	%Rec		RPD	Limit	
	Added	Result			%Rec				
Benzene	0.100	0.1196	mg/Kg		120	70 - 130	22	35	
Toluene	0.100	0.1220	mg/Kg		122	70 - 130	21	35	
Ethylbenzene	0.100	0.1269	mg/Kg		127	70 - 130	29	35	
m-Xylene & p-Xylene	0.200	0.2436	mg/Kg		122	70 - 130	28	35	
o-Xylene	0.100	0.1245	mg/Kg		124	70 - 130	18	35	
Surrogate	LCSD		Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	121		70 - 130	11/24/25 08:37	11/25/25 13:10	1			
1,4-Difluorobenzene (Surr)	92		70 - 130	11/24/25 08:37	11/25/25 13:10	1			

Lab Sample ID: 880-65353-A-1-B MS

Matrix: Solid

Analysis Batch: 125001

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124848

Analyte	Sample		Spike	Unit	%Rec		Limits
	Result	Qualifier			Added	Result	
Benzene	<0.00139	U	0.100	mg/Kg		118	70 - 130
Toluene	<0.00200	U	0.100	mg/Kg		120	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-65324-1
SDG: Lea County NM

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

Lab Sample ID: 880-65353-A-1-B MS

Matrix: Solid

Analysis Batch: 125001

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124848

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	<0.00109	U	0.100	0.1246		mg/Kg	125	70 - 130	
m-Xylene & p-Xylene	<0.00228	U	0.200	0.2401		mg/Kg	120	70 - 130	
o-Xylene	<0.00158	U	0.100	0.1198		mg/Kg	120	70 - 130	

Surrogate	MS	MS	%Recovery	Qualifier	Limits
	Recovery	Qualifier			
4-Bromofluorobenzene (Surr)	125		70 - 130		
1,4-Difluorobenzene (Surr)	90		70 - 130		

Lab Sample ID: 880-65353-A-1-C MSD

Matrix: Solid

Analysis Batch: 125001

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124848

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<0.00139	U	0.100	0.09854		mg/Kg	99	70 - 130	18
Toluene	<0.00200	U	0.100	0.09869		mg/Kg	99	70 - 130	19
Ethylbenzene	<0.00109	U	0.100	0.1016		mg/Kg	102	70 - 130	20
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1970		mg/Kg	99	70 - 130	20
o-Xylene	<0.00158	U	0.100	0.1006		mg/Kg	101	70 - 130	17

Surrogate	MSD	MSD	%Recovery	Qualifier	Limits
	Recovery	Qualifier			
4-Bromofluorobenzene (Surr)	122		70 - 130		
1,4-Difluorobenzene (Surr)	95		70 - 130		

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

Lab Sample ID: MB 880-124704/1-A

Matrix: Solid

Analysis Batch: 125063

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124704

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		11/21/25 12:25	11/25/25 13:08	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		11/21/25 12:25	11/25/25 13:08	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		11/21/25 12:25	11/25/25 13:08	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Recovery	Qualifier						
1-Chlorooctane	110		70 - 130			11/21/25 12:25	11/25/25 13:08	1
o-Terphenyl	130		70 - 130			11/21/25 12:25	11/25/25 13:08	1

Lab Sample ID: LCS 880-124704/2-A

Matrix: Solid

Analysis Batch: 125063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124704

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1031		mg/Kg	103	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	909.4		mg/Kg	91	70 - 130	

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QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-124704/2-A

Matrix: Solid

Analysis Batch: 125063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124704

Surrogate	LCS	LCS	
	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
<i>o</i> -Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-124704/3-A

Matrix: Solid

Analysis Batch: 125063

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124704

Analyte		Spike	LCSD	LCSD			%Rec	RPD
		Added	Result	Qualifier	Unit	D	Limts	Limit
Gasoline Range Organics (GRO)-C6-C10		1000	1155		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)		1000	1310	*+ *1	mg/Kg		131	70 - 130

Surrogate	LCS	LCS	
	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
<i>o</i> -Terphenyl	177	S1+	70 - 130

Lab Sample ID: 880-65270-A-60-C MS

Matrix: Solid

Analysis Batch: 125063

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 124704

Analyte	Sample	Sample	Spike	MS	MS		%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	Limts
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	996	1016		mg/Kg		102
Diesel Range Organics (Over C10-C28)	15.2	J *+ *1	996	928.6		mg/Kg		92

Surrogate	MS	MS	
	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
<i>o</i> -Terphenyl	127		70 - 130

Lab Sample ID: 880-65270-A-60-D MSD

Matrix: Solid

Analysis Batch: 125063

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 124704

Analyte	Sample	Sample	Spike	MSD	MSD		%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	RPD
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	996	1018		mg/Kg		102
Diesel Range Organics (Over C10-C28)	15.2	J *+ *1	996	905.0		mg/Kg		89

Surrogate	MSD	MSD	
	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
<i>o</i> -Terphenyl	121		70 - 130

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124771/1-A

Matrix: Solid

Analysis Batch: 124879

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<0.395	U	10.0	0.395	mg/Kg			11/24/25 19:10	1

Lab Sample ID: LCS 880-124771/2-A

Matrix: Solid

Analysis Batch: 124879

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spikes	LCS	LCS	Unit	D	%Rec	Limits	RPD	Limit
	Added	Result	Qualifier						
Chloride	250	239.6		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-124771/3-A

Matrix: Solid

Analysis Batch: 124879

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spikes	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	Limit
	Added	Result	Qualifier						
Chloride	250	239.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-65322-A-9-B MS

Matrix: Solid

Analysis Batch: 124879

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample	Sample	Spikes	MS	MS	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Chloride	9.86	J	252	248.0		mg/Kg		94	90 - 110		

Lab Sample ID: 880-65322-A-9-C MSD

Matrix: Solid

Analysis Batch: 124879

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample	Sample	Spikes	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Chloride	9.86	J	252	247.5		mg/Kg		94	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-65324-1
SDG: Lea County NM

GC VOA

Prep Batch: 124848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-1	S-1	Total/NA	Solid	5035	
880-65324-2	S-2	Total/NA	Solid	5035	
880-65324-3	S-3	Total/NA	Solid	5035	
880-65324-4	S-4	Total/NA	Solid	5035	
880-65324-5	B-1	Total/NA	Solid	5035	
MB 880-124848/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124848/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124848/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-65353-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-65353-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 125001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-1	S-1	Total/NA	Solid	8021B	124848
880-65324-2	S-2	Total/NA	Solid	8021B	124848
880-65324-3	S-3	Total/NA	Solid	8021B	124848
880-65324-4	S-4	Total/NA	Solid	8021B	124848
880-65324-5	B-1	Total/NA	Solid	8021B	124848
MB 880-124848/5-A	Method Blank	Total/NA	Solid	8021B	124848
LCS 880-124848/1-A	Lab Control Sample	Total/NA	Solid	8021B	124848
LCSD 880-124848/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124848
880-65353-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	124848
880-65353-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	124848

Analysis Batch: 125154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-1	S-1	Total/NA	Solid	Total BTEX	
880-65324-2	S-2	Total/NA	Solid	Total BTEX	
880-65324-3	S-3	Total/NA	Solid	Total BTEX	
880-65324-4	S-4	Total/NA	Solid	Total BTEX	
880-65324-5	B-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 124704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-1	S-1	Total/NA	Solid	8015NM Prep	
880-65324-2	S-2	Total/NA	Solid	8015NM Prep	
880-65324-3	S-3	Total/NA	Solid	8015NM Prep	
880-65324-4	S-4	Total/NA	Solid	8015NM Prep	
880-65324-5	B-1	Total/NA	Solid	8015NM Prep	
MB 880-124704/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124704/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124704/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-65270-A-60-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-65270-A-60-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 125063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-1	S-1	Total/NA	Solid	8015B NM	124704
880-65324-2	S-2	Total/NA	Solid	8015B NM	124704

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: State BT N #1Job ID: 880-65324-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 125063 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-3	S-3	Total/NA	Solid	8015B NM	124704
880-65324-4	S-4	Total/NA	Solid	8015B NM	124704
880-65324-5	B-1	Total/NA	Solid	8015B NM	124704
MB 880-124704/1-A	Method Blank	Total/NA	Solid	8015B NM	124704
LCS 880-124704/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124704
LCSD 880-124704/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124704
880-65270-A-60-C MS	Matrix Spike	Total/NA	Solid	8015B NM	124704
880-65270-A-60-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	124704

Analysis Batch: 125172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-1	S-1	Total/NA	Solid	8015 NM	10
880-65324-2	S-2	Total/NA	Solid	8015 NM	11
880-65324-3	S-3	Total/NA	Solid	8015 NM	12
880-65324-4	S-4	Total/NA	Solid	8015 NM	13
880-65324-5	B-1	Total/NA	Solid	8015 NM	14

HPLC/IC

Leach Batch: 124771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-1	S-1	Soluble	Solid	DI Leach	
880-65324-2	S-2	Soluble	Solid	DI Leach	
880-65324-3	S-3	Soluble	Solid	DI Leach	
880-65324-4	S-4	Soluble	Solid	DI Leach	
880-65324-5	B-1	Soluble	Solid	DI Leach	
MB 880-124771/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124771/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124771/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-65322-A-9-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-65322-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 124879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-65324-1	S-1	Soluble	Solid	300.0	124771
880-65324-2	S-2	Soluble	Solid	300.0	124771
880-65324-3	S-3	Soluble	Solid	300.0	124771
880-65324-4	S-4	Soluble	Solid	300.0	124771
880-65324-5	B-1	Soluble	Solid	300.0	124771
MB 880-124771/1-A	Method Blank	Soluble	Solid	300.0	124771
LCS 880-124771/2-A	Lab Control Sample	Soluble	Solid	300.0	124771
LCSD 880-124771/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124771
880-65322-A-9-B MS	Matrix Spike	Soluble	Solid	300.0	124771
880-65322-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	124771

Lab Chronicle

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

Client Sample ID: S-1

Date Collected: 11/19/25 16:30

Date Received: 11/21/25 12:11

Lab Sample ID: 880-65324-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124848	11/24/25 08:37	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125001	11/25/25 16:36	SA	EET MID
Total/NA	Analysis	Total BTEX		1			125154	11/25/25 16:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			125172	11/25/25 19:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124704	11/21/25 12:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125063	11/25/25 19:30	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124771	11/21/25 19:06	SMC	EET MID
Soluble	Analysis	300.0		1			124879	11/24/25 19:53	CS	EET MID

Client Sample ID: S-2

Date Collected: 11/19/25 16:34

Date Received: 11/21/25 12:11

Lab Sample ID: 880-65324-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124848	11/24/25 08:37	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125001	11/25/25 17:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			125154	11/25/25 17:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			125172	11/25/25 19:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124704	11/21/25 12:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125063	11/25/25 19:45	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	124771	11/21/25 19:06	SMC	EET MID
Soluble	Analysis	300.0		1			124879	11/24/25 19:58	CS	EET MID

Client Sample ID: S-3

Date Collected: 11/19/25 16:38

Date Received: 11/21/25 12:11

Lab Sample ID: 880-65324-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124848	11/24/25 08:37	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125001	11/25/25 18:19	SA	EET MID
Total/NA	Analysis	Total BTEX		1			125154	11/25/25 18:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			125172	11/25/25 20:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124704	11/21/25 12:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125063	11/25/25 20:01	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	124771	11/21/25 19:06	SMC	EET MID
Soluble	Analysis	300.0		1			124879	11/24/25 20:14	CS	EET MID

Client Sample ID: S-4

Date Collected: 11/19/25 16:42

Date Received: 11/21/25 12:11

Lab Sample ID: 880-65324-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124848	11/24/25 08:37	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125001	11/25/25 18:39	SA	EET MID
Total/NA	Analysis	Total BTEX		1			125154	11/25/25 18:39	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

Client Sample ID: S-4

Date Collected: 11/19/25 16:42

Date Received: 11/21/25 12:11

Lab Sample ID: 880-65324-4

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			125172	11/25/25 20:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124704	11/21/25 12:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125063	11/25/25 20:16	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124771	11/21/25 19:06	SMC	EET MID
Soluble	Analysis	300.0		1			124879	11/24/25 20:20	CS	EET MID

Client Sample ID: B-1

Date Collected: 11/19/25 16:47

Date Received: 11/21/25 12:11

Lab Sample ID: 880-65324-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124848	11/24/25 08:37	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125001	11/25/25 19:00	SA	EET MID
Total/NA	Analysis	Total BTEX		1			125154	11/25/25 19:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			125172	11/25/25 20:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124704	11/21/25 12:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125063	11/25/25 20:31	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124771	11/21/25 19:06	SMC	EET MID
Soluble	Analysis	300.0		1			124879	11/24/25 20:25	CS	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Eurofins Midland

Method Summary

Client: Crain Environmental
Project/Site: State BT N #1

Job ID: 880-65324-1
SDG: Lea County NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Crain Environmental
 Project/Site: State BT N #1

Job ID: 880-65324-1
 SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-65324-1	S-1	Solid	11/19/25 16:30	11/21/25 12:11	0-2'
880-65324-2	S-2	Solid	11/19/25 16:34	11/21/25 12:11	0-2'
880-65324-3	S-3	Solid	11/19/25 16:38	11/21/25 12:11	0-2'
880-65324-4	S-4	Solid	11/19/25 16:42	11/21/25 12:11	0-2'
880-65324-5	B-1	Solid	11/19/25 16:47	11/21/25 12:11	2'

1

2

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11

12

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14

Eurofins Midland



Chain of Custody

Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286
Lubbock, NM (575) 762-7600, Odessa, NM (432) 390-2100

W

880-65324 Chain of Custody

Project Name:	Site RT N #4	True Acquired	ANALYSIS D
Project Manager:	Cindy Crain	Bill to: (if different)	Nicole Cornwell
Company Name:	Crain Environmental	Company Name:	BXP
Address:	2925 East 17th Street	Address:	1175 Kay Fwy, Ste 475
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Houston, TX 77079
Phone:	(575) 441-7244	Email:	cindy.crain@gmail.com

Work Order Comments					
Program: USIT/PST	<input type="checkbox"/> RRP	<input type="checkbox"/> ownfields	<input type="checkbox"/> RR	<input type="checkbox"/> Subfund	<input type="checkbox"/>
State of Project: NM					
Reporting: Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	PST/STUST	<input type="checkbox"/> RRP
Deliverables: EDD	<input type="checkbox"/>	ADaPT	<input type="checkbox"/>	Other:	<input type="checkbox"/> Level IV

11/26/2025

Project Name:	State/County		Sampling Details		Sample Comments	
Project Number:	NA		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code:	
Project Location:	Lea Co., NM		Due Date:			
Sampler's Name:	Cindy Crain		TAT starts the day received by the lab, if received by 4:30pm			
PO #:	NA					
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	H ₃ PO ₄ ; H ₂ O			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	Cool: Cool MeOH: Me			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	HCl: HC HNO ₃ ; HN			
Total Containers:		Corrected Temperature:	H ₂ SO ₄ ; H ₂ NaOH: Na			
TPH 8015 M						
BTEX						
Chlorides						
Zn Acetate+NaOH; Zn NaOH+Ascorbic Acid; SAPC						
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp
S-1		S	11/19/2025	1630	0-2'	C 1 X X X
S-2		S	11/19/2025	1634	0-2'	C 1 X X X
S-3		S	11/19/2025	1638	0-2'	C 1 X X X
S-4		S	11/19/2025	1642	0-2'	C 1 X X X
B-1		S	11/19/2025	1647	2'	C 1 X X X

Total 200.7 / 6010 **200.8 / 6020:**
Circle Method(s) and Metal(s) to be analyzed 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245.11 / 7470 / 7471

Notice: Signature of this document and return/receipt of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Signature of this document and return/receipt of samples will not release client company from liability for any damages or expenses incurred by Eurofins Xeno, its affiliates and subcontractors due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature) _____ Received by: (Signature) _____ Date/Time _____ Relinquished by: (Signature) _____ Received by: (Signature) _____ Date/Time _____

1 2 3 4 5	Received by: (Signature)	Date / Month	1 Received by: (Signature)	Date / Month
1	<i>John Doe</i>	11-21-39	2	
3		12-11	4	
5			6	

Revised Date: 08/25/2020 Rev. 2020-2

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-65324-1

SDG Number: Lea County NM

Login Number: 65324**List Source: Eurofins Midland****List Number: 1****Creator: Kramer, Jessica**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present.	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information.	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		



Appendix C: Photographic Documentation

Appendix C
BXP Operating, LLC
State BT N #001 - Incident #nRM2029344863



View of Battery sign (8/4/25).



View to W of TH-1 (8/4/25).



View to W of TH-2 (8/4/25).



View to W of TH-3 (8/4/25).



View to W of TH-4 (8/4/25).



View to NE of excavation at TH-4 (11/19/25).



View to E of excavation at TH-4 (11/19/25).



View to SW of excavation at TH-4 (11/19/25).



Appendix D: 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 E: Biological Desktop Review



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542

In Reply Refer To:

04/28/2025 19:26:43 UTC

Project Code: 2025-0089256

Project Name: State BT N #001

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 *et seq.*), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

Project code: 2025-0089256

04/28/2025 19:26:43 UTC

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/media/birds-conservation-concern-2021>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/partner/council-conservation-migratory-birds> for information regarding the implementation of Executive Order 13186.

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We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

Project code: 2025-0089256

04/28/2025 19:26:43 UTC

PROJECT SUMMARY

Project Code: 2025-0089256

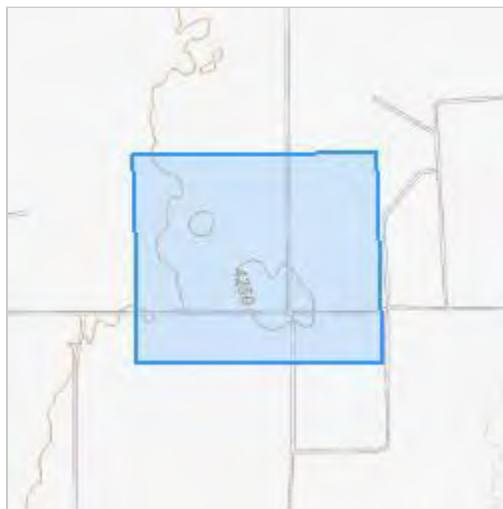
Project Name: State BT N #001

Project Type: General NRDAR/Spill Response/Environmental Contaminants

Project Description: Soil remediation

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@33.31736795000005,-103.5944221019289,14z>



Counties: Lea County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2025-0089256

04/28/2025 19:26:43 UTC

BIRDS

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

INSECTS

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

CRITICAL HABITATS

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

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 534700

QUESTIONS

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 534700
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2029344863
Incident Name	NRM2029344863 STATE BT N #1 BATTERY @ 30-025-01012
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-01012] STATE BT N #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	STATE BT N #1 BATTERY
Date Release Discovered	10/14/2020
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: 30 BBL Recovered: 30 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 534700

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 534700
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
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	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Bianca Guerrero Title: Regulatory manager Email: bguerrero@bxpltd.com Date: 12/15/2025
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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<https://www.emnrd.nm.gov/ocd/contact-us>

QUESTIONS, Page 3

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

Action 534700

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 534700
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation 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)	1470
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	41
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	12/08/2025
On what date will (or did) the final sampling or liner inspection occur	12/17/2025
On what date will (or was) the remediation complete(d)	12/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	625
What is the estimated volume (in cubic yards) that will be reclaimed	23
What is the estimated surface area (in square feet) that will be remediated	625
What is the estimated volume (in cubic yards) that will be remediated	23

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.

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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

QUESTIONS, Page 4

Action 534700

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

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 534700
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fAB0000000061 TNM-55-95
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
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

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

I hereby agree and sign off to the above statement	Name: Bianca Guerrero Title: Regulatory manager Email: bguerrero@bxpltd.com Date: 12/15/2025
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
Phone: (505) 476-3441

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Phone: (505) 629-6116

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

QUESTIONS, Page 5

Action 534700

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 534700
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 6

Action 534700

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 534700
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	527184
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/19/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	225

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	100
What was the total volume (cubic yards) remediated	8
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	100
What was the total volume (in cubic yards) reclaimed	8
Summarize any additional remediation activities not included by answers (above)	Approximately 8 cubic yards of soil will be disposed of at GMI, Inc. Upon OCD approval of closure, the excavation will be backfilled with clean caliche and the surface will be restored to pre-release conditions.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Bianca Guerrero Title: Regulatory manager Email: bxquerrero@bxpltd.com Date: 12/15/2025
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 534700

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 534700
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	<input type="checkbox"/> No

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CONDITIONS

Action 534700

CONDITIONS

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 534700
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	12/22/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	12/22/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/22/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	12/22/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/22/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	12/22/2025