



Site Characterization Report and Remediation Workplan

May 7, 2026

**Phillips Lea #008
API 30-025-23582
Historical Crude Oil Release
Incident No. nGRL0832651888
Lea County, New Mexico**

Prepared For:

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

Prepared By:

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

Cynthia K. Crain, P.G.



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1.0 Introduction

Crain Environmental (CE), on behalf of BXP Operating, LLC (BXP), has prepared this Site Characterization Report and Remediation Workplan for the historical crude oil release at the Phillips Lea #008 (Site), located in Unit Letter N, Section 31, Township 17 South, Range 34 East, Lea County, New Mexico. The global positioning system (GPS) coordinates for the Site are 32.7867088, -103.6026764. The property surface rights are owned by the State of New Mexico. The location of the Site is depicted on Figure 1.

The Site can be accessed by traveling west from Hobbs, New Mexico on Highway 62 for approximately 12 miles Highway 529. Continue west and northwest of Highway 529 for 14.5 miles to Querecho Road. Turn north and continue 2.5 miles to the Site on the west side of the lease road. There are no locked gates or other access issues. The attached Figure 1 shows the well location.

2.0 Background

While being operated by Arena Resources, Inc., a crude oil release occurred on November 17, 2008 (Incident #nGRL0832651888). According to New Mexico Oil Conservation Division (NMOCD) records, 35 barrels (bbls) of oil were released from the wellhead, and 25 bbls were recovered. NMOCD notes that the initial C-141 dated November 21, 2008, stated the following:

“Line pressure caused packing at wellhead to fail. Well was shut in and free liquids removed. Area affected is approximately 4,200 sq. ft. with an estimated vertical impact of 6”. Impacted soil will be excavated to acceptable levels. Impacted soil will be blended with clean fill to less than 500 mg/kg of TPH and chlorides. Oil gator and calcium nitrate (biological degradation additive/ chloride amendment) will be added to further reduce TPH & chlorides. Treated soil will be placed back into the excavated area.”

A copy of the C-141 for Incident #nGRL0832651888 is not available in the NMOCD files, and no further communication or information is provided.

As there is an open NMOCD Incident (nGRL0832651888) at the Site, BXP submitted a proposal to conduct a soil assessment to determine the extent of soil remediation to be conducted.

A Site Assessment Workplan was submitted to the Environmental Compliance Office (ECO) of the New Mexico State Land Office (NMSLO) on August 6, 2025, and was denied on August 12, 2025, with the following comments (CE responses are provided in blue):

- Site history is provided; however, it is noteworthy that the workplan leaves out the soil blending on site. It is suspected that this could be the earth disturbance seen in the southern half of the well pad. **The soil blending portion of the original C-141 is now included in the Site History.**
- Other areas of concern not identified in the workplan but a site inspection was documented. Workplan states HC staining documented but does not detail where the HC staining was observed. Pictures are provided without caption so they are minimally helpful. HC staining seen around the wellhead. Surface impacts visible in aerial photographs from flowlines associated with the well and the pit appears to have some surface impact. **As Incident #nGRL0832651888 refers to a release on the well pad, surface impacts visible in aerial photographs from flowlines associated with the well and surface impacts at the pit are not included in the**



proposed assessment of the release in question. Hydrocarbon impacts were observed on the well pad as shown in the photographs (to the north, south, and east of the well). Additional explanation has been added to the photographs.

- CPP/Bio Statements: Provided and accepted even though it is minimal information narrated. Backup docs provided, however, only one bio resource was reviewed which is typically not sufficient. Just happens to work for this location. IPAC is federal database and will not accurately capture State species. **Additional source information is provided.**
- Site characterization information is provided; however, it is incomplete it does not address everything in 19.15.29.11 NMAC. Note that DTW info is older than 25 yrs old, since this is an OCD incident, OCD will likely not accept the information, but ECO cannot speak on behalf of OCD. **All site characterization information will be provided in the Site Characterization Report and Remediation Workplan. Given the age of depth to water information, depth to groundwater is assumed to be less than 50' unless proven otherwise.**
- Field screening is not discussed. Site map w/sample locations is provided; analytical info is discussed and complete. Sample depths and interval sampling is discussed. Only 4 points proposed but they do not include the area of disturbance to the south that is suspected to be the area of soil blending. It is noteworthy that OCD records say 4,200 sq ft area impacted, but sample points proposed in workplan only cover about 1,800 sq ft. Additional sample points to the south must be added to the assessment. **Sample points were originally proposed where hydrocarbon-stained soil was observed. Additional sample points have been added to the south, and include the area suspected to be the area of soil blending.**
- The schedule states they will start within 45 days of approval of workplan. The workplan states that a remediation plan or closure report will be submitted depending on the sampling results. Closure based on the proposed site assessment is insufficient and denied. The workplan and photos identify current HC staining on site, based on this alone there must be a remediation workplan. Four assessment sample points representing half of the spill area will not be sufficient to close the NMOCD incident. If BXP intends to try to close a historical open incident with NMOCD and ECO, based on a site assessment, it is strongly recommended that the workplan be submitted to NMOCD for approval, which is required in 19.15.29 NMAC for spills older than 90 days. **A Site Characterization Report and Remediation Workplan will be submitted to ECO and NMOCD upon receipt of laboratory results.**

A Revised Site Assessment Workplan addressing ECO comments to the original Workplan was submitted to ECO for approval of Site assessment activities at Incident # nGRL0832651888 (1RP-2011) on January 28, 2026. On February 16, 2026, the Workplan was approved with the condition that samples be collected from two additional locations, and that "The lessee and/or their contractor are responsible for ensuring that the project manager and field personnel performing the work follow the approved work plan." Appendix A provides a copy of the NMOCD Permitting records and ECO communication.

On March 26, 2026, ECO approved Site assessment activities were conducted. This Site Characterization Report and Remediation Workplan has been prepared in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC), provides the results of the assessment, and includes proposed actions for soil remediation.



3.0 NMOCD Closure Criteria

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

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

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

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there are no water wells within a 0.5-mile radius of the Site. The United State Geological Society (USGS) records indicated there is one water well (USGS 324727103354701) within a 0.5-mile radius of the Site. Depth to groundwater was measured in this well between 1962 and 1976. Depth to groundwater ranged from 130 to 134 feet below ground surface (bgs) during that time. Appendix B provides a chart of depth to groundwater data for the USGS well. Figure 3 provides a wellhead protection area map that shows the location of the USGS well.

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). A Riverine is located approximately 670 feet south of the Site.
- 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; however, a Riverine is located approximately 670 feet south of the Site. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a "low karst potential" area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is located outside of a 100-year floodplain. Figures 4, 5, and 6 depict the USFWS map, the FEMA floodplain map, and the karst potential map, respectively.

3.4 Closure Criteria Currently Assumed Applicable to the Site

A review of the NMOSE records indicated there are no water wells within a 0.5-mile radius of the Site. The USGS records indicated there is one water well (USGS 324727103354701) within a 0.5-mile radius of the Site. Depth to groundwater was measured in this well between 1962 and 1976. Depth to groundwater ranged from 130 to 134 feet bgs during that time. Appendix B provides a chart of depth to groundwater data for the USGS well.



Based on available water well records within 0.5-mile of the Site, the depth to groundwater is estimated to be greater than 100 feet bgs. As no water levels are available within the last 25 years, the assumed depth to groundwater will be 50' bgs, unless proven otherwise, and the most stringent NMOCD Closure Criteria will apply.

If depth to groundwater is proven to be greater than 50' or 100' bgs, the appropriate Closure Criteria at excavation depths greater than 4' bgs will be applicable. Figure 3 provides a wellhead protection area map. A summary of the Closure Criteria is provided in the table below.

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 in Figure 2.

4.2 Depth to Groundwater

As discussed in Sections 3.1 and 3.4, the depth to groundwater at the Site is currently assumed to be less than 50' bgs due to the date of water well information within a 0.5-mile radius of the Site.

4.3 Wellhead Protection Area

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



4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is a Riverine located approximately 670 feet south of the Site.

4.5 Initial Delineation Activities

As all areas proposed for investigation and possible remediation are in areas of previous disturbance, compliance with the Cultural Properties Protection (CPP) Rule will not apply and an Archaeological Survey will not be conducted. A biological desktop review was conducted, and no sensitive wildlife or plant species were found in proximity to the subject Site. Copies of the U.S. Fish & Wildlife Service database review, the New Mexico Game & Fish database review and CHAT maps, and the Southern Great Plains CHAT map are included as Appendix C.

On March 26, 2026, soil samples were collected from 9 locations (TH-1 to TH-9) as approved by the ECO in the Site Assessment Workplan.

Test holes were dug using a backhoe, and samples were collected from each test hole at the surface (0-6"), at depth of 1' bgs, 2' bgs, 3' bgs, and at the total depth of the test hole (4' bgs). Each sample was field tested for chloride concentrations, and at least two samples from each test hole were submitted to an accredited laboratory for analysis.

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

Table 1 provides a summary of laboratory results. Figure 2 shows the sample locations and concentrations. Appendix D provides a copy of the laboratory report and chain of custody documentation. Appendix E provides a photographic log of site assessment activities.

Referring to Table 1, concentrations of TPH, benzene, and BTEX were reported below the test method detection limits or Closure Criteria in each sample. Concentrations of chlorides were reported above the Closure Criteria in each sample collected from test holes TH-2, TH-4, and TH-6, and in two samples from test hole TH-3 (at 0-6" and 2' bgs). All other samples reported chloride concentrations below the Closure Criteria.

4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Laboratory data in Job Number 880-70272-1 generated by Eurofins, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided as Appendix D.



5.0 Proposed Remediation and Reclamation Activities

Concentrations of TPH, benzene, and BTEX were reported below the test method detection limits or Closure Criteria in each sample. Concentrations of chlorides were reported above the Closure Criteria in each sample collected from test holes TH-2, TH-4, and TH-6, and in two samples from test hole TH-3 (at 0-6" and 2' bgs). All other samples reported chloride concentrations below the Closure Criteria.

BXP proposes to excavate all impacted soil at sample points TH-2 through TH-6 until confirmation samples collected from the bottom and sidewalls of each excavation report chloride concentrations below the most stringent NMOCD Closure Criteria in the upper 4 feet, and below the least stringent Closure Criteria at depths below 4', if the depth to groundwater is proven to be greater than 100' bgs. If the depth to groundwater is not verified or is proven to be less than 50' bgs, all soil will be remediated to the most stringent Closure Criteria, regardless of depth. As horizontal and vertical delineation activities during excavation/remediation activities are commonly approved by the NMOCD, BXP has elected to conduct horizontal and vertical delineation activities during excavation/remediation.

As TPH and BTEX concentrations in the investigation samples were reported below the test method detection limit or Closure Criteria, BXP proposes that confirmation samples be analyzed only for chlorides.

All excavated soil will be disposed of at an NMOCD approved disposal facility. Figure 2 shows the estimated area proposed for remediation. The remediation areas cover an estimated surface area of 5,760 square feet, and approximately 855 cubic yards (cy) of soil will be hauled to disposal.

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

As the area of remediation is located on an active well pad, the area will not be seeded upon completion of backfilling.

All activities will be documented with photographs, and a Closure Report will be submitted to the NMOCD and ECO upon receipt of final laboratory results.

6.0 Schedule of Implementation

Site remediation activities will begin within 90 days of NMOCD and ECO approval of this Workplan, and a Closure Report will be submitted to the NMOCD and ECO within 30 days of receipt of acceptable final laboratory results.



BXP respectfully requests a remediation schedule of 180 days from the date of NMOCD approval of this Remediation Workplan to complete the proposed remediation activities and submit a *Remediation Summary and Closure Report* for approval.

7.0 Distribution

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

Copy 2: Environmental Compliance Office
ECO@nmslo.gov



TABLE

**Table 1
Summary of Soil Sample Analyses
BXP Operating, LLC
Phillips Lea #008
Incident #nGRL0832651888**

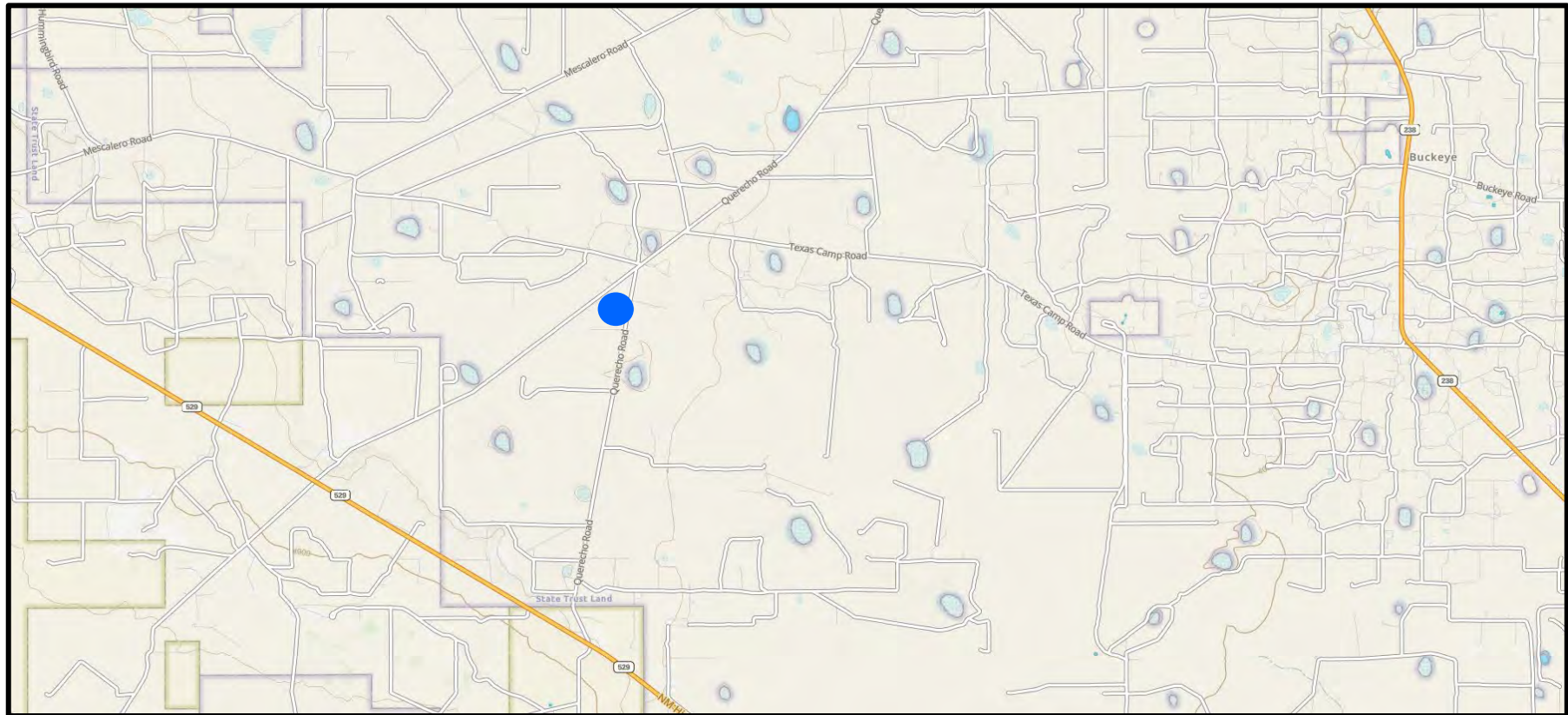
Sample ID	Sample Date	Sample Depth (feet bgs)	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria				-	-	-	100	10	-	-	-	50	600
TH-1 (1')	03/26/26	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	210
TH-1 (4')	03/26/26	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	306
TH-2 (1')	03/26/26	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	3,050
TH-2 (3')	03/26/26	3'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00109	<0.00229	<0.00229	2,410
TH-2 (4')	03/26/26	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00141	<0.00202	<0.001110	<0.00231	<0.00231	1,270
TH-3 (0-6")	03/26/26	0-6"	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	1,070
TH-3 (2')	03/26/26	2'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	672
TH-3 (4')	03/26/26	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	290
TH-4 (1')	03/26/26	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	1,470
TH-4 (4')	03/26/26	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	1,150
TH-5 (1')	03/26/26	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	385
TH-5 (4')	03/26/26	4'	In Situ	16.5 J	<15.1	<15.1	16.5 J	<0.00141	<0.00202	<0.00110	<0.00231	<0.00231	40.2
TH-6 (1')	03/26/26	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	687
TH-6 (4')	03/26/26	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	875
TH-7 (1')	03/26/26	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00139	<0.00200	<0.00109	<0.00228	<0.00228	147
TH-7 (4')	03/26/26	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00140	<0.00201	<0.00110	<0.00230	<0.00230	280
TH-8 (0-6")	03/26/26	0-6"	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00141	<0.00202	<0.001110	<0.00231	<0.00231	144
TH-8 (1')	03/26/26	1'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00198	<0.00108	<0.00227	<0.00227	150
TH-8 (4')	03/26/26	4'	In Situ	<14.5	<15.1	<15.1	<15.1	<0.00138	<0.00198	<0.00108	<0.00226	<0.00226	158
TH-9 (0-6")	03/26/26	0-6"	In Situ	16.1 J	<15.1	<15.1	16.1 J	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	156
TH-9 (1')	03/26/26	1'	In Situ	15.2 J	<15.1	<15.1	15.2 J	<0.00141	<0.00202	<0.001110	<0.00231	<0.00231	148
TH-9 (4')	03/26/26	4'	In Situ	15.1 J	<15.1	<15.1	15.1 J	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	155




Notes:

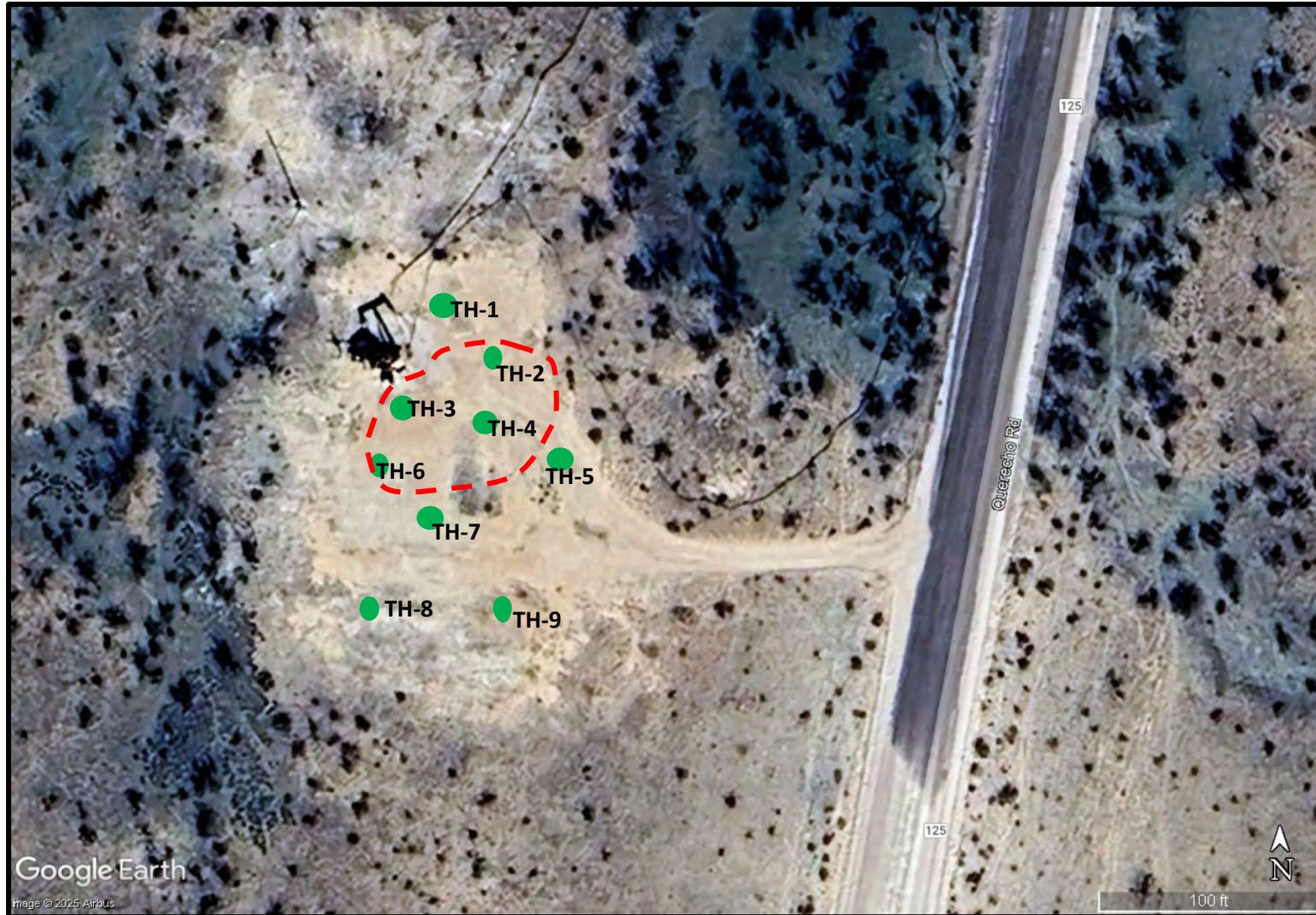
1. GRO: Gasoline Range Organics
2. DRO: Diesel Range Organics
3. MRO: Motor Oil Range Organics
4. bgs: below ground surface
5. Bold and highlighting indicates the COC was detected above the NMOCD Closure Criteria.
6. < indicates the COC was below the appropriate laboratory method/sample detection limit
7. J: Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.






FIGURES







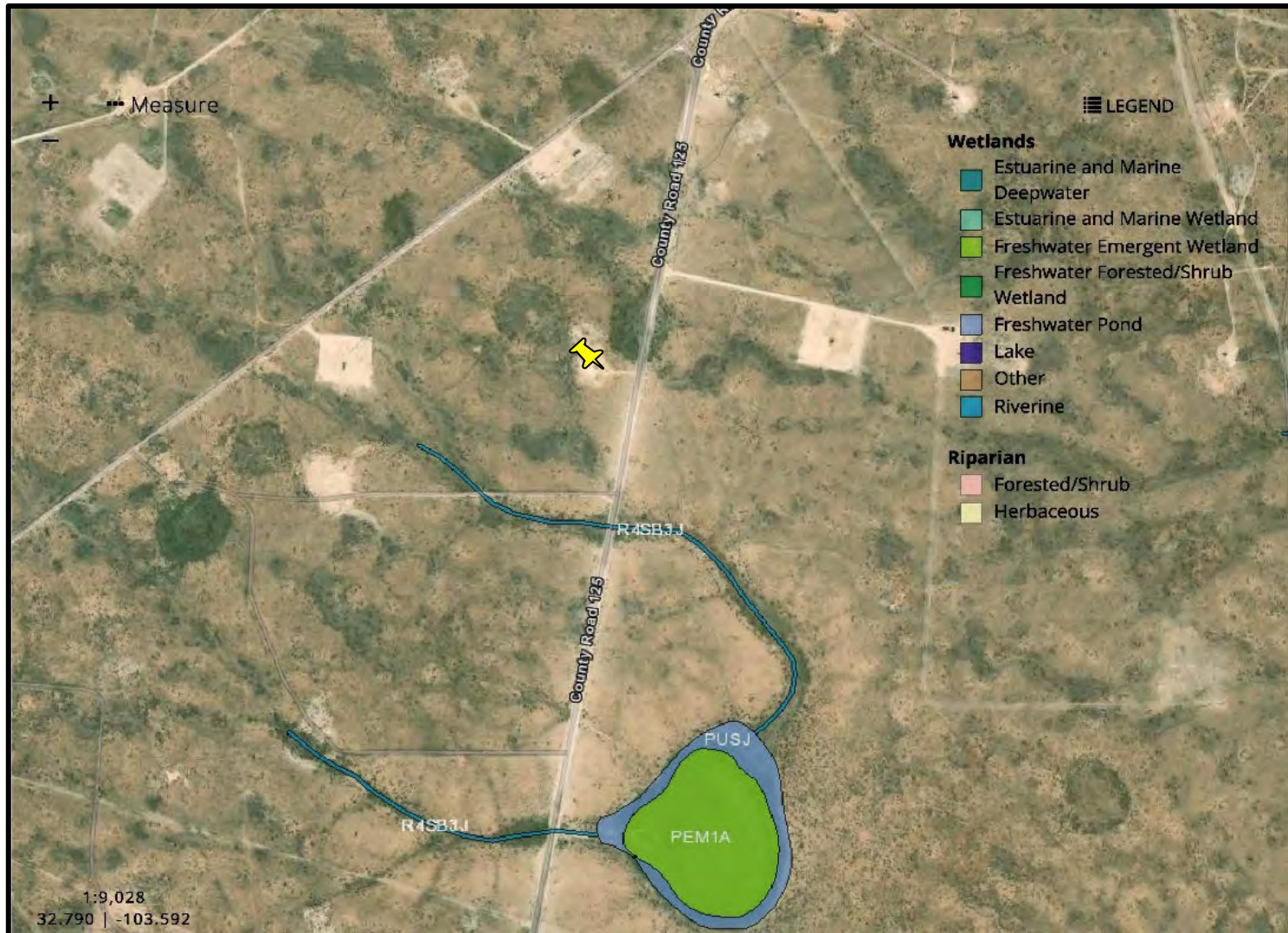
<p>LEGEND:</p> <p> Site Location</p> <p>Base Map from GAIA GPS</p>		<p>Figure 1</p> <p>Site Location Map</p> <p>BXP Operating, LLC</p> <p>Phillips Lea #008</p> <p>Lea County, New Mexico</p>	<p>Drafted by: CC Checked by: CC</p>	
			<p>Draft: July 29, 2025</p>	
<p>GPS: 32.7867088° -103.6026764°</p>				
<p> </p>				
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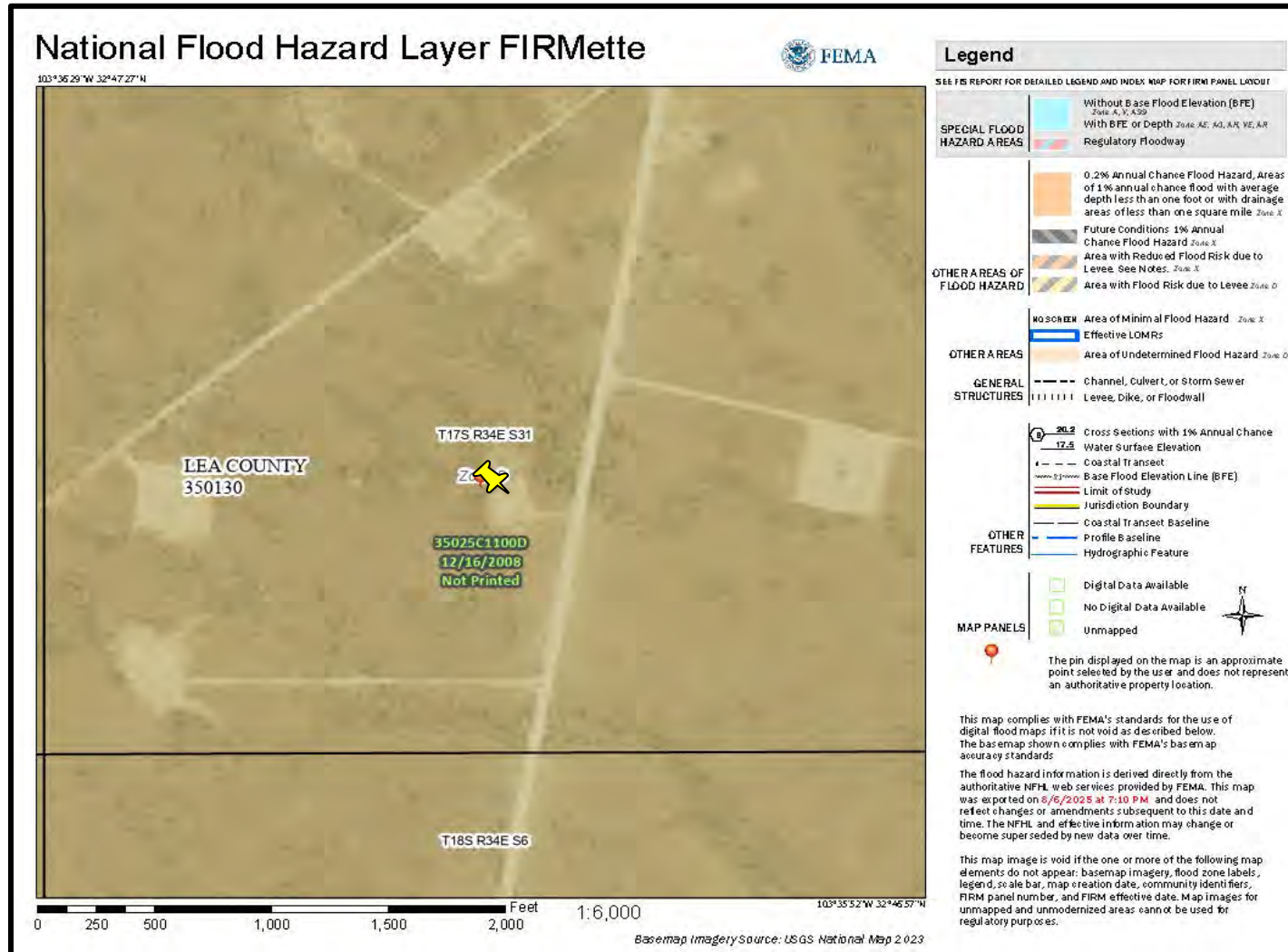
LEGEND:  Sample Location  Approximate Area of Remediation	Figure 2 Sample Location Map BXP Operating, LLC Phillips Lea #008 Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: May 7, 2026	
GPS: 32.7867088° -103.6026764°			
Base Map from Google Earth			





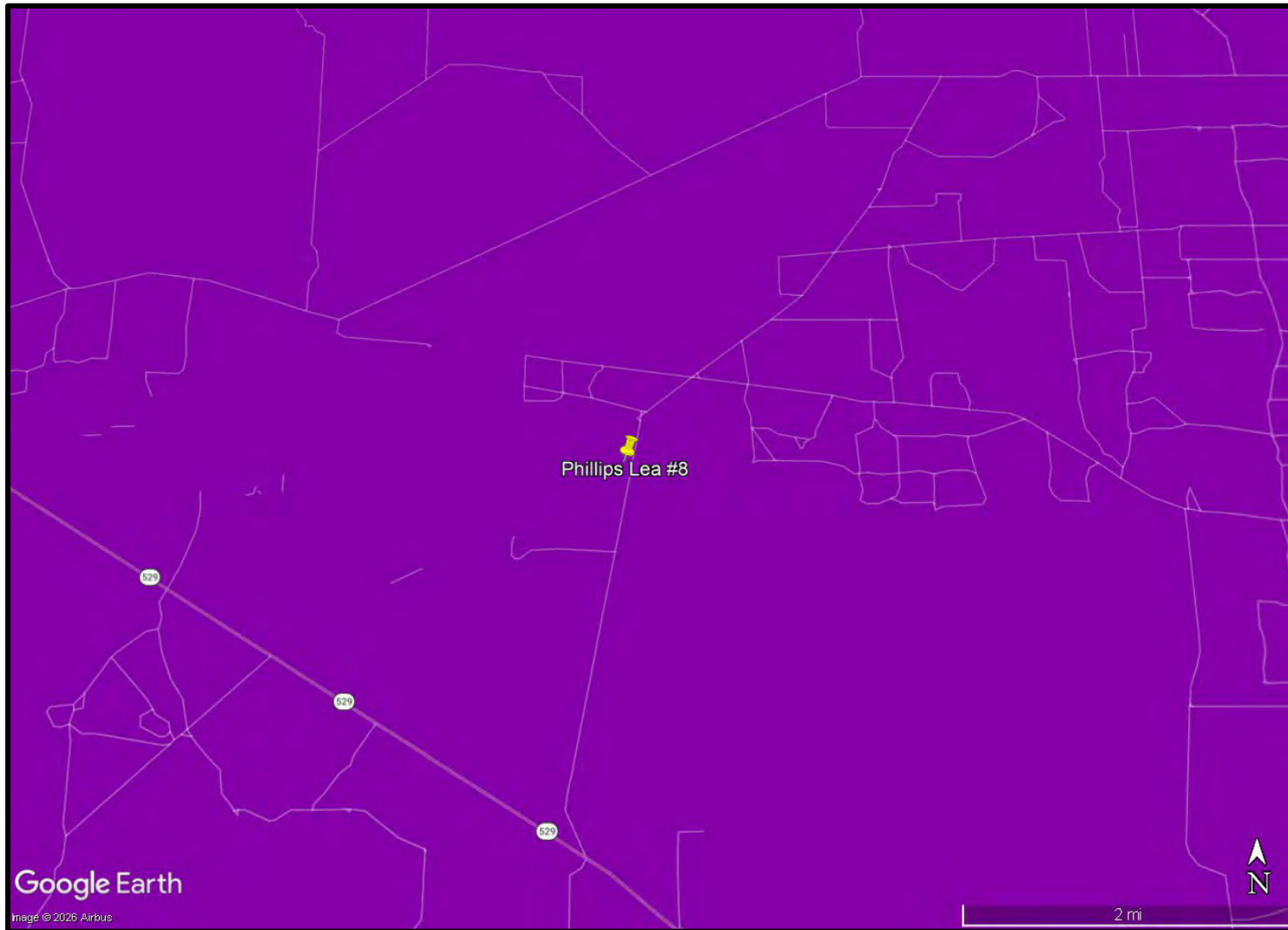
<p>LEGEND:</p> <ul style="list-style-type: none">  Site and Water Well Locations  USGS Water Well  0.5 Mile Radius <p>Base Map from Google Earth</p>	<p>Figure 3</p> <p>Wellhead Protection Area Map</p> <p>BXP Operating, LLC</p> <p>Phillips Lea #008</p> <p>Lea County, New Mexico</p>			
		Drafted by: CC Checked by: CC		
		Draft: July 29, 2025		
		GPS: 33.7867088° -103.6026764°		




LEGEND:  Site Location Base Map from USFWS	Figure 4 National Wetlands Inventory Map BXP Operating, LLC Phillips Lea #008 Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: July 29, 2025	
GPS: 33.7867088° -103.6026764°			
(Empty cell)			
(Empty cell)			



<p>LEGEND:</p>  Site Location	<p>Figure 5 FEMA Floodplain Map BXP Operating, LLC Phillips Lea #008 Lea County, New Mexico</p>	Drafted by: CC Checked by: CC	
		Draft: July 29, 2025	
		GPS: 33.7867088° -103.6026764°	
Base Map from FEMA			



<p>LEGEND:</p> <ul style="list-style-type: none"> Low Karst Potential Medium Karst Potential High Karst Potential <p>Base Map from Google Earth Pro and BLM</p>	<p>Figure 6 Karst Potential Map BXP Operating, LLC Phillips Lea #008 Lea County, New Mexico</p>	<p>Drafted by: CC Checked by: CC</p> <p>Draft: May 6, 2026</p> <p>GPS: 33.7867088° -103.6026764°</p>	
---	--	--	---



Appendix A: NMOCD Permitting Records and ECO Communication



- Searches ▾
- Operator Data ▾
- Submissions ▾
- Administration ▾

OCD Permitting

Home > Searches > Incidents > Incident Details

NGRL0832651888 PHILLIPS LEA #008 @ 30-025-23582

General Incident Information

Site Name: PHILLIPS LEA #008
 Well: [\[30-025-23582\]](#) PHILLIPS LEA #008
 Facility:
 Operator: [\[329487\]](#) BXP Operating, LLC
 Status: Initial C-141 Approved, Pending submission of Site Characterization / Remediation Plan OR Remediation Closure Report from the operator
 Type: Oil Release **Severity:** Major
Surface Owner: State
 District: Hobbs **County:** Lea (25)
 Incident Location: N-31-17S-34E 990 FSL 1650 FWL
 Lat/Long: 32.7867088,-103.6026764 NAD83
 Directions:

Quick Links

- [General Incident Information](#)
- [Materials](#)
- [Events](#)
- [Orders](#)
- [Action Status](#) ↕

Associated Images

- Incident Files (0)
- [Well Files \(46\)](#)

New Searches

- [New Facility Search](#) ↕
- [New Incident Search](#) ↕
- [New Operator Search](#) ↕
- [New Pit Search](#) ↕
- [New Spill Search](#) ↕
- [New Tank Search](#) ↕
- [New Well Search](#) ↕

Notes

Source of Referral: Oil Conservation Division Rep

Action / Escalation:

Resulted In Fire:

Resulted In Injury:

Endangered Public Health:

Will or Has Reached Watercourse:

Fresh Water Contamination:

Property Or Environmental Damage:

Contact Details

Contact Name:

Contact Title:





11/17/2008

Initial C-141 Report Due:

12/2/2008

CCRAIN (FOR FORTY ACRES ENERGY, LLC) SIGN OUT HELP

Remediation Closure Report Due:

Searches ^{11/1} ¹⁸

Operator Data

Submissions

Administration

Incident Dates

Type	Action	Received	Denied	Approved
Remediation Closure Report Extension		08/15/2018		08/15/2018
Initial C-141 Report		11/18/2008		11/21/2008
Notification		11/17/2008		11/17/2008

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incident Materials

Cause	Source	Material	Volume				Units
			Unk.	Released	Recovered	Lost	
Equipment Failure	Fitting	Crude Oil	<input type="checkbox"/>	35	25	10	BBL
The concentration of dissolved chloride in the produced water >10,000 mg/l: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							

Incident Events





Detail

-141 - Line pressure caused packing at wellhead to fail. Well was shut in and free liquids removed. Area affected is approximately 4200 sq. an estimated vertical impact of 6". Impacted soil will be excavated to acceptable levels. Impacted soil will be blended with clean fill. 10 mg/kg of TPH and chlorides. Oil gator and calcium nitrate (biological degradation additive/ chloride ammendment) will be added to further TPH & chlorides. Treated soil will be placed back into the excavated area.

Searches

Operator Data

Submissions

Administration

Incident Severity

Major release as defined by 19.15.29.7(A) NMAC?

Yes No

From paragraph A. "Major release" determine using:

(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

Incident Corrective Actions

No initial response data was found for this incident.

No site characterization data was found for this incident.

No remediation plan data was found for this incident.

No active remediation deferral request was found for this incident.

No remediation closure report data was found for this incident.

No reclamation report data was found for this incident.

No re-vegetation report data was found for this incident.

Orders

1RP-2011-0



Applicant: [220420] ARENA RESOURCES, INC
Contact: Fred Holmes
Reviewer: Geoffrey Leking

Approved By: SLO
Issuing Office: Hobbs

Processing Dates

Received:
Approved: 11/17/2008
Expiration:

Ordered: 11/17/2008
Denied:
Cancelled:





New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012
1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220





Cindy Crain <cindy.crain@gmail.com>

Site Assessment Workplan - BXP Operating - Phillips Lea #008 (API 30-025-23582) - Incident #nGRL0832651888 - Not Approved

1 message

Knight, Tami C. <tknight@nmslo.gov> Tue, Aug 12, 2025 at 11:52 AM
 To: Cindy Crain <cindy.crain@gmail.com>
 Cc: Doug Brown <dbrown@bxpltd.com>, "mymerch@penrocoil.com" <mymerch@penrocoil.com>, Bianca Guerrero <bguerrero@bxpltd.com>, "Bisbey-Kuehn, Elizabeth A." <ebisbeykuehn@nmslo.gov>, "Griffin, Becky R." <bgriffin@nmslo.gov>, "David, Deon W." <ddavid@nmslo.gov>, "Biernoff, Ari" <abiernoff@nmslo.gov>, "Heltman, Elaine G." <eheltman@nmslo.gov>

Cindy

ECO has reviewed the subject site assessment workplan and cannot approve the workplan at this time. Our denial is based on the following:

Topics Addressed in Site Assessment Workplan	Comments
NMOCD Record Review	Site history is provided; however, it is noteworthy that the workplan leaves out the soil blending on site. It is suspected that this could be the earth disturbance seen in the southern half of the well pad.
Historical Aerial Review with Areas of Concern Identified	Other areas of concern not identified in the workplan but a site inspection was documented. Workplan states HC staining documented but does not detail where the HC staining was observed. Pictures are provided without caption so they are minimally helpful. HC staining seen around wellhead. Surface impacts visible in aerial photographs from flowlines associated with the well and the pit appears to have some surface impact.
CPP/Bio Statements	Provided and accepted even though it is minimal information narrated. Backup docs provided, however, only one bio resource was reviewed which typically is not sufficient. Just happens to work for this location. IPAC is federal database and will not accurately capture State species. Crain Environmental has been notified multiple times to use multiple bio resources for desktop reviews.

<p>Site Characterization</p>	<p>Site characterization information is provided; however, it is incomplete it does not address everything in 19.15.29.11 NMAC. Note that DTW info is older than 25 yrs old, since this is an OCD incident, OCD will likely not accept the information, but ECO cannot speak on behalf of OCD.</p>
<p>Sample locations illustrated, analytical discussed, sample depth discussed</p>	<p>Field screening is not discussed. Site map w/ sample locations is provided; analytical info is discussed and complete. Sample depths and interval sampling is discussed. Only 4 points proposed but they do not include the area of disturbance to the south that is suspected to be the area of soil blending. It is noteworthy that OCD records say 4,200 sq ft area impacted, but sample points proposed in workplan only cover about 1,800 sq ft. Additional sample points to the south must be added to the assessment.</p>
<p>Schedule of Implementation</p>	<p>The schedule states they will start within 45 days of approval of workplan. The workplan states that a remediation plan or closure report will be submitted depending on the sampling results. Closure based on the proposed site assessment is insufficient and denied. The workplan and photos identify current HC staining on site, based on this alone there must be a remediation workplan. Four assessment sample points representing half of the spill area will not be sufficient to close the open NMOCD incident. If BXP intends to try to close a historical open incident with NMOCD and ECO, based on a site assessment, it is strongly recommended that the workplan be submitted to NMOCD for approval, which is required in 19.15.29 NMAC for spills older than 90 days.</p>

Please submit a revised workplan to eco@nmslo.gov by August 26, 2025. ECO recommends reviewing recent workplans submitted by Maverick for historical releases being closed with NMOCD and ECO. This information is publicly available on the NMOCD permitting or incidents page.



Tami C. Knight, CHMM

Senior Environmental Scientist

Environmental Compliance Office

Mobile: 505.670.1638



tknight@nmslo.gov

nmstatelands.org

In field: August 14

OOO: August 15 & 22

.....

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From: Cindy Crain <cindy.crain@gmail.com>
Sent: Wednesday, August 6, 2025 3:00 PM
To: SLO Spills <spills@nmslo.gov>
Cc: Doug Brown <dbrown@bxpltd.com>; mymerch@penrocoil.com; Bianca Guerrero <bguerrero@bxpltd.com>
Subject: [EXTERNAL] Site Assessment Workplan - BXP Operating - Phillips Lea #008 (API 30-025-23582) - Incident #nGRL0832651888

Good afternoon,

On behalf of BXP Operating, LLC, attached please find a Site Assessment Workplan for the historical release at Phillips Lea #008 (Incident #nGRL0832651888).

Please let me know if you have any questions or need additional information at this time.

Thank you,
Cindy Crain

--

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

2 attachments



image002.png
1K



Cindy Crain <cindy.crain@gmail.com>

Revised Site Assessment Workplan - BXP Operating - Phillips Lea #008 (API 30-025-23582) - Incident #nGRL0832651888 - Approved with Conditions

2 messages

Knight, Tami C. <tknight@nmslo.gov> Mon, Feb 16, 2026 at 12:19 PM
 To: Cindy Crain <cindy.crain@gmail.com>
 Cc: Doug Brown <dbrown@bxpltd.com>, "mymerch@penrocoil.com" <mymerch@penrocoil.com>, Bianca Guerrero <bguerrero@bxpltd.com>, "Bisbey-Kuehn, Elizabeth A." <ebisbeykuehn@nmslo.gov>, "David, Deon W." <ddavid@nmslo.gov>, "Biernoff, Ari" <abiernoff@nmslo.gov>, "Heltman, Elaine G." <eheltman@nmslo.gov>, "Averill, Erin P." <eaverill@nmslo.gov>

RE: 30-025-23582 (Active-Marginal); BXP; Phillips Lea #008; B041180000/CONOCOPHILLIPS COMPANY

Incident #: nGRL0832651888


ROE #: Not applicable

Site Assessment Workplan Received: January 28, 2026

Workplan Status: Approved with Conditions

Details regarding the workplan review are provided in the table below. The lessee and/or their contractor are responsible for ensuring that the project manager and field personnel performing the work follow the approved work plan. Please respond to this email that you understand and agree to the conditions of approval.

General Scope of Work Topics Addressed in Site Assessment Workplan In Detail	Included/Approved	Not Included/Not Approved	Not Required
NMSLO/NMOCD Record Review	Included		
Historical Aerial Review with Areas of Concern Identified	Not discussed, however, site map and site photos were provided		
CPP/Bio Statements	Included		
Site Characterization	Included; must be noted that NMED wetland maps illustrate riverine/playa feature about 600 ft south of well pad. Release extents		

	<p>could change this regulated distance. It is noted that BXP proposes to remediate to most stringent standards based on lack of GW info that OCD requires</p>		
<p>Sample locations illustrated, analytical discussed, sample depth discussed</p>	<p>Included; however, the sample points still do not reach full southern area of disturbance. Add two sample trenches as illustrated below</p> 		
<p>Schedule of Implementation</p>	<p>Included</p>		

**The conclusions of this workplan review are based on the documentation provided by the submitter. ECO may conduct a field verification of the information provided, though it is not obligated to do so. In the event that field conditions or subsequent information reveal discrepancies, ECO may require additional corrective work.*

We appreciate the efforts being taken to remediate and reclaim State Trust Land.



Environmental Compliance Office

New Mexico State Land Office



eco@nmslo.gov

nmstatelands.org



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From: Cindy Crain <cindy.crain@gmail.com>
Sent: Wednesday, January 28, 2026 11:58 PM
To: SLO Spills <spills@nmslo.gov>
Cc: Doug Brown <dbrown@bxpltd.com>; mymerch@penrocoil.com; Bianca Guerrero <bguerrero@bxpltd.com>; Bisbey-Kuehn, Elizabeth A. <ebisbeykuehn@nmslo.gov>; David, Deon W. <ddavid@nmslo.gov>; Biernoff, Ari <abiernoff@nmslo.gov>; Heltman, Elaine G. <eheltman@nmslo.gov>
Subject: [EXTERNAL] Revised Site Assessment Workplan - BXP Operating - Phillips Lea #008 (API 30-025-23582) - Incident #nGRL0832651888

Good evening,

On behalf of BXP Operating, LLC, attached please find a Revised Site Assessment Workplan for the historical release at Phillips Lea #008 (Incident #nGRL0832651888).

Please let me know if you have any questions or need additional information at this time.

Thank you,
Cindy Crain
--

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

2 attachments



image002.png
1K



image004.jpg
2K

Cindy Crain <cindy.crain@gmail.com>
To: "Knight, Tami C." <tknight@nmslo.gov>

Thu, Feb 26, 2026 at 9:20 PM

Cc: Doug Brown <dbrown@bxpltd.com>, "mymerch@penrocoil.com" <mymerch@penrocoil.com>, Bianca Guerrero <bguerrero@bxpltd.com>, "Bisbey-Kuehn, Elizabeth A." <ebisbeykuehn@nmslo.gov>, "David, Deon W." <ddavid@nmslo.gov>, "Biernoff, Ari" <abiernoff@nmslo.gov>, "Heltman, Elaine G." <eheltman@nmslo.gov>, "Averill, Erin P." <eaverill@nmslo.gov>

Tami,

The conditions of approval are understood and agreed to. Two additional sample points will be included in the investigation.

Thank you,
Cindy Crain

[Quoted text hidden]



Appendix B: USGS Water Well Record



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324727103354701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324727103354701 17S.34E.31.14240

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°47'36", Longitude 103°35'59" NAD27

Land-surface elevation 4,075.00 feet above NGVD29

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

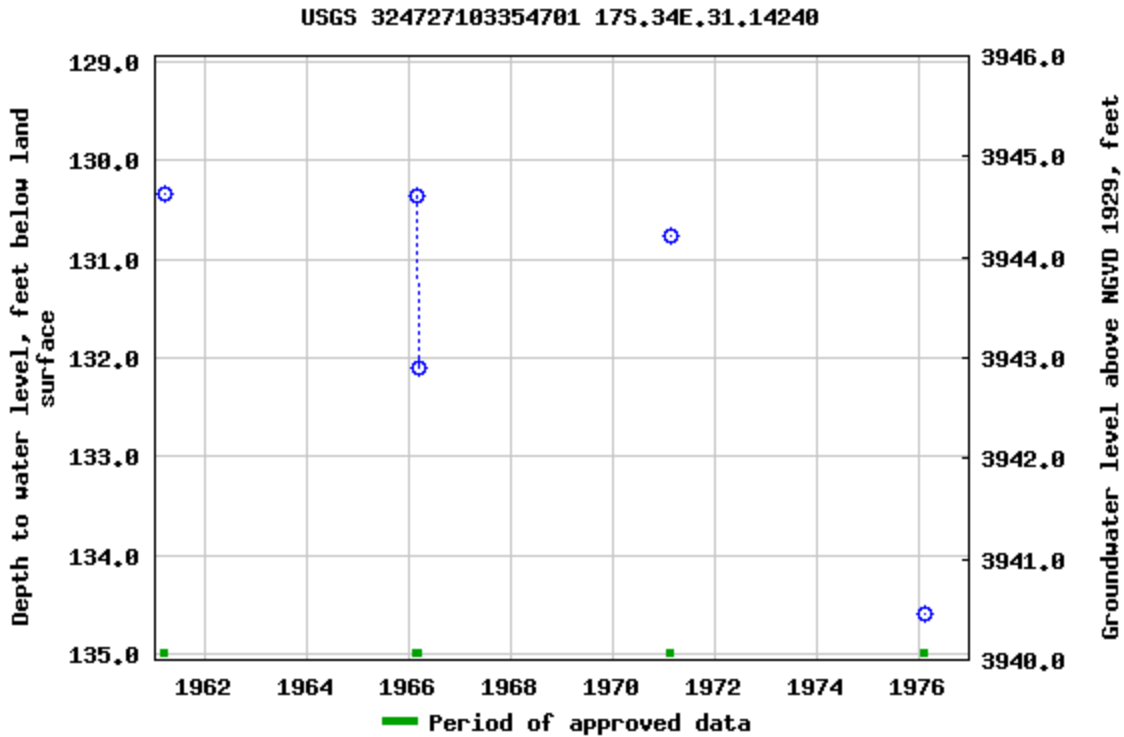
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2025-08-06 15:29:49 EDT

0.69 0.52 nadww02





Appendix C: 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:
Project Code: 2025-0132346
Project Name: Phillips Lea #6 and #8

08/06/2025 19:16:37 UTC

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

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 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>.

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.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico

Project code: 2025-0132346

08/06/2025 19:16:37 UTC

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
- Bald & Golden Eagles
- Migratory Birds

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

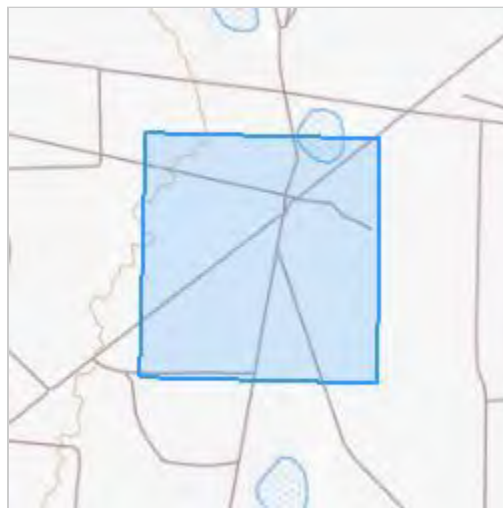
Project code: 2025-0132346

08/06/2025 19:16:37 UTC

PROJECT SUMMARY

Project Code: 2025-0132346
Project Name: Phillips Lea #6 and #8
Project Type: Land Preservation
Project Description: Soil investigation and remediation
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.789312800000005,-103.60192294045578,14z>



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: 2025-0132346

08/06/2025 19:16:37 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 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ZCF2PKNAA5GQ5LSSHFP2O7OMQA/documents/generated/9126.pdf	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 General project design guidelines: https://ipac.ecosphere.fws.gov/project/ZCF2PKNAA5GQ5LSSHFP2O7OMQA/documents/generated/8928.pdf	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.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

-
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
 2. The [Migratory Birds Treaty Act](#) of 1918.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act (MBTA). Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The data in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the Supplemental Information on Migratory Birds and Eagles document to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO FWS MIGRATORY BIRDS OF CONCERN WITHIN THE VICINITY OF YOUR PROJECT AREA.



PROJECT INFORMATION

Project Title: Phillips Lea #8
Project Type: ENDANGERED SPECIES
Latitude/Longitude (DMS): 32.786581 / -103.602688
County(s): LEA
Project Description: Soil remediation

REQUESTOR INFORMATION

Project Organization:
Contact Name: Cindy Crain
Email Address: cindy.crain@gmail.com
Organization: Crain Environmental
Address: 2925 E 17TH ST, Odessa TX 79761
Phone: 5754411724

OVERALL STATUS

This report contains an initial list of recommendations regarding potential impacts to wildlife or wildlife habitats from the proposed project; see the Project Recommendations section below for further details. Your project proposal is being forwarded to a New Mexico Department of Game and Fish (Department) biologist for review to determine whether there are any additional recommendations regarding the proposed actions. A Department biologist will be in touch within 30 days if there are further recommendations regarding this project proposal.

About this report:

- This environmental review is based on the project description and location that was entered. The report must be updated if the project type, area, or operational components are modified.
- This is a preliminary environmental screening assessment and report. It is not a substitute for the potential wildlife knowledge gained by having a biologist conduct a field survey of the project area. Federal status and plant data are provided as a courtesy to users. The review is also not intended to replace consultation required under the federal Endangered Species Act (ESA), including impact analyses for federal resources from the U.S. Fish and Wildlife Service (USFWS) using their [Information for Planning and Consultation tool](#).
- This report contains information on wildlife species protected under the ESA and the [Wildlife Conservation Act \(WCA\)](#), [Species of Greatest Conservation Need \(SGCN\)](#) (page 18, table 5), and Species of Economic and Recreational Importance (SERI). Species listed under the ESA are protected from take at the federal level and under the WCA are protected from take at the state level. SGCN are identified in the [State Wildlife Action Plan \(SWAP\) for New Mexico](#); all of these species are considered to be of conservation concern but not all of them are protected from take at the state or federal level. The harvest of all SERI is regulated at the state level. The Department has no authority to designate critical habitat for species listed under the WCA; only the USFWS can designate critical habitat for species listed under the ESA.
- The New Mexico Environmental Review Tool (ERT) utilizes species observation locations and species habitat suitability models, both of which are subject to ongoing change and refinement. Inclusion or omission of a species within a report cannot guarantee species presence or absence within your project area. To determine occurrence of any species listed in this report, or other wildlife that may be present within your project area, onsite surveys conducted by a qualified biologist during appropriate, species-specific survey timelines may be necessary.
- The Department encourages use of the ERT to modify proposed projects for avoidance, minimization, or mitigation of wildlife impacts. However, the ERT is not intended to be used in a repeatedly iterative fashion to adjust project attributes until a previously determined recommendation is generated. The ERT serves to assess impacts once project details are developed. The [New Mexico Crucial Habitat Assessment Tool](#), the data layers from which are included in the ERT, is the appropriate system for advising early-stage project planning and design to avoid areas of anticipated wildlife concerns and associated regulatory requirements.

Phillips Lea #8



- | | | |
|------------------------------|----------------------------|---|
| Buffered Project Boundary | NM State Forestry Division | U.S. Army Corps of Engineers |
| Project_Boundary | NM State Parks | U.S. Bureau of Reclamation |
| Bureau of Land Management | National Park Service | U.S. Department of Agriculture |
| City Land | Other Federal Agency | U.S. Fish and Wildlife Service |
| County Land | Other Federal Agency | U.S. Forest Service |
| Department of Defense | State Land Office | U.S. Natural Resources Conservation Service |
| Department of Energy | State of New Mexico | |
| NM Department of Game & Fish | Tribal Land | |

NHNM, USGS, USFS, US Census Bureau, NMDGF
 Esri, NASA, NGA, USGS, FEMA
 Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Special Status Animal Species Potentially within 1 Miles of Project Area

Common Name	Scientific Name	USFWS (ESA)	NMDGF (WCA)	NMDGF SGCN/SERI	USFS	USFS SCC	BLM
Plains Leopard Frog	Lithobates blairi			SGCN			BLM WATCH
Aplomado Falcon	Falco femoralis		E	SGCN			
Lesser Prairie-Chicken	Tympanuchus pallidicinctus	LE		SGCN	Sensitive Species		BLM SENSITIVE
Western Burrowing Owl	Athene cucularia hypugaea			SGCN	Sensitive Species	USFS R3 SCC	BLM SENSITIVE
Common Nighthawk	Chordeiles minor			SGCN			
Sprague's Pipit	Anthus spragueii			SGCN			BLM SENSITIVE
Loggerhead Shrike	Lanius ludovicianus			SGCN		USFS R3 SCC	BLM WATCH
Vesper Sparrow	Poocetes gramineus			SGCN			
Thick-billed Longspur	Rhynchophanes mccownii			SGCN			BLM SENSITIVE
Chestnut-Collared Longspur	Calcarius ornatus			SGCN			BLM SENSITIVE
Black-Tailed Prairie Dog	Cynomys ludovicianus			SGCN	Sensitive Species		BLM SENSITIVE
Mule Deer	Odocoileus hemionus			SERI			
Pronghorn	Antilocapra americana			SERI			
Desert Massasauga	Sistrurus catenatus edwardsii			SGCN			

Common Name hyperlink takes you to species account in [bison-m.org](https://www.natureserve.com); Scientific Name hyperlink takes you to information in [NatureServe Explorer](https://www.natureserve.com); ESA = Endangered Species Act, C = Candidate, LE = Listed Endangered, LT = Listed Threatened, XN = Non-essential Experimental Population, for other ESA codes see this [website](#); WCA = Wildlife Conservation Act, E = Endangered, T = Threatened; SERI = Species of Economic and Recreational Importance; SGCN = Species of Greatest Conservation Need; USFS = U.S. Forest Service, Sensitive Species = A species likely to occur on USFS lands that is of concern for a potential reduction in population viability; SCC = Species of Conservation Concern; BLM = Bureau of Land Management, BLM SENSITIVE = A species that occurs on BLM lands and whose viability is at risk, BLM WATCH = Species that may be added to the sensitive species list in future pending new information regarding species status.

Project Recommendations

Your proposed project activities may require a custom review for assessment of potential effects to wildlife. See the "OVERALL STATUS" section above to determine the likelihood that your project will be reviewed further based on its location. A Department biologist will confirm whether any additional conservation measures are needed. You should expect to receive any additional project recommendations within 30 days of your project submission. If the "OVERALL STATUS" section indicates that no further consultation with the Department is required based on its location, then you will only receive additional project feedback from the Department if a biologist deems it necessary.

Our preliminary assessment indicates your project occurs in Lesser Prairie-chicken Crucial Habitat Category 1 (Focal Area).

The Lesser Prairie-chicken (*Tympanuchus pallidicinctus*) (LPC) was designated as a SGCN in New Mexico and the southern Distinct Population Segment, including populations in New Mexico and Texas, is federally listed as Endangered, though this listing has been vacated and the removal of this listing status is in process of being finalized by the USFWS. The LPC Interstate Working Group has developed the Southern Great Plains Crucial Habitat Assessment Tool ([SGP-CHAT](#)) to designate and prioritize areas for LPC conservation activities and development. Our preliminary assessment indicates your project occurs in LPC habitat. For more information on the SGP-CHAT, contact Chanda Pettie, Industry LPC Program Contact with the Western Association of Fish and Wildlife Agencies, at (719) 207-5053 or chanda.pettie@wafwa.org.

If your project has potential to lead to take (including harassment, harm, pursuit, hunting, shooting, wounding, killing, trapping, capturing, collecting, or attempting to engage in these activities) of a LPC and you entered into the Candidate Conservation Agreement (CCA) or CCA with Assurances (CCAA) for the LPC with [CEHMM](#), the Department recommends you contact CEHMM (575-885-3700). If your project may lead to take of a LPC and you did not enter the CCA/A with CEHMM, the Department recommends you contact Lauren Rangel, at 505-761-4745 or lauren_rangel@fws.gov, who is the species lead for the LPC in the Ecological Services Office with USFWS. She is also the contact for the rangewide renewable energy Habitat Conservation Plan (HCP) if relevant for your project. The Department recommends a qualified, permitted biologist conduct surveys for the LPC according to these [Lesser Prairie-chicken Survey Protocols](#) (or others recommended by USFWS) and following any training as required by USFWS.

Burrowing owl (*Athene cunicularia*) may occur within your project area. Burrowing owls are protected from take by the Migratory Bird Treaty Act and under New Mexico state statute. Before any ground disturbing activities occur, the Department recommends that a preliminary burrowing owl survey be conducted by a qualified biologist using the Department's [Burrowing Owl Survey Protocol](#). Should burrowing owls be documented in the project area, please contact the Department or USFWS for further recommendations regarding relocation or avoidance of impacts.

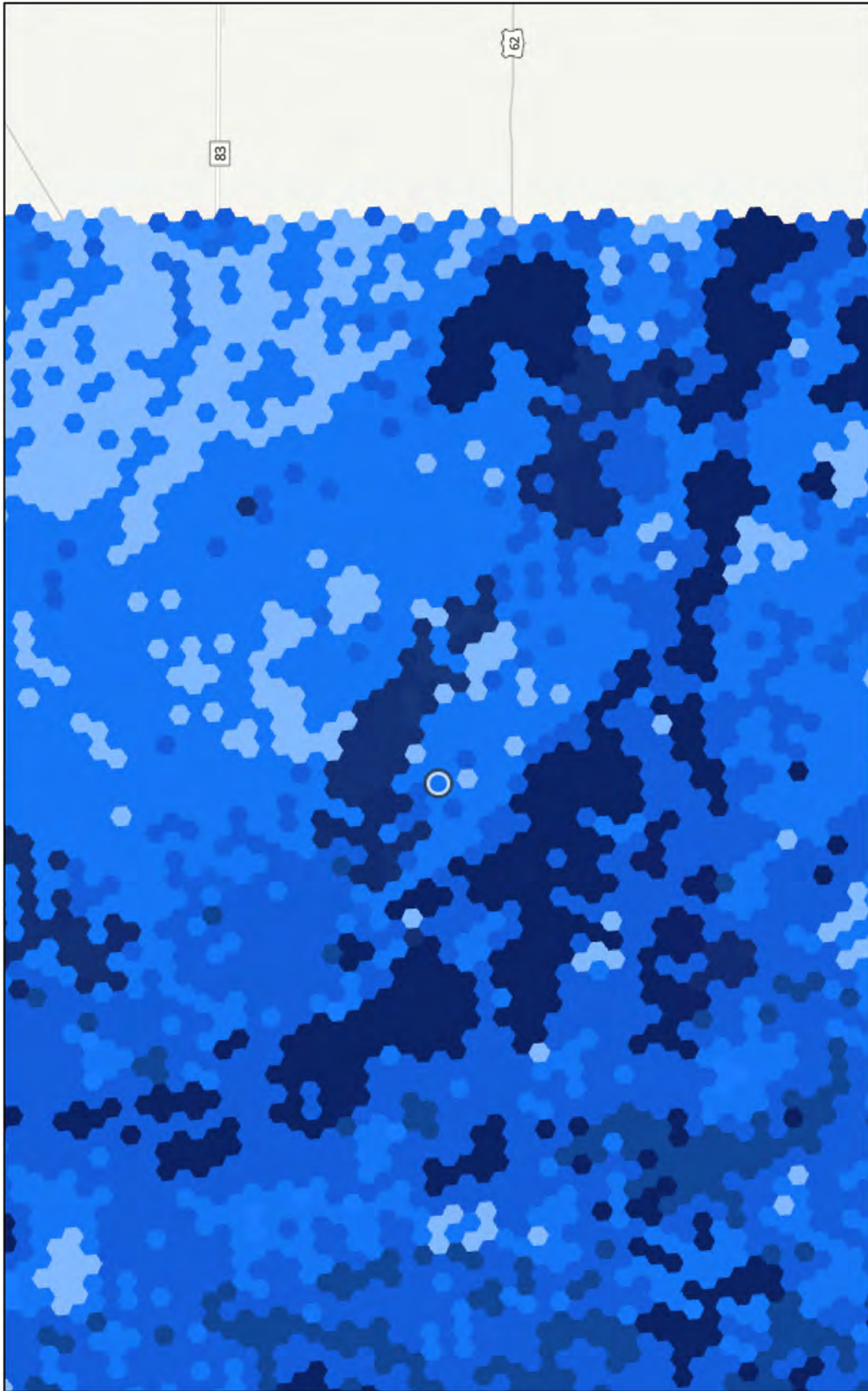
Prairie dog colonies may occur within the vicinity of your project area. Both black-tailed prairie dogs (*Cynomys ludovicianus*) and Gunnison's prairie dogs (*Cynomys gunnisoni*) are designated as New Mexico SGCN, and their colonies provide important habitat for other grassland wildlife. Wherever possible, occupied prairie dog colonies should be left undisturbed, and all project activities should be directed off the colony. Any burrows that are located on the project site should be surveyed by a qualified biologist to determine whether burrows are active or inactive and whether burrowing owls may be utilizing the site. Colonies within the range of the black-tailed prairie dog can be surveyed by a qualified biologist diurnally, year-round using binoculars. Colonies within the range of the Gunnison's prairie dog can be surveyed by a qualified biologist diurnally, using binoculars during the warmer months from April through October and by searching for fairly fresh scat and lack of cobwebs or debris at the mouths of burrows during the cold months (November through March). If ground-disturbing activities cannot be relocated off the prairie dog colony, or if project activities involve control of prairie dogs, the Department recommends live-trapping and relocation of prairie dogs. The Department can provide recommendations regarding suitability of potential translocation areas and procedures.

The current project area appears to contain one or more wetland types as classified by the New Mexico Environment Department's [Wetland Map](#). Information on wetlands in your project area can also be viewed on the ERT's [Create Project/Map](#) page. This [key](#) can assist in interpreting Landscape Position, landform, water flow path, and waterbody type (LLWW) codes in the ERT's wetland data. Wetlands provide important habitat for numerous species of wildlife and pollinators and provide ecosystem services, such as water filtration and storage, to downstream users. The Department recommends avoiding disturbance of wetlands whenever possible, avoiding actions or infrastructure installment that may disrupt natural wetland hydrological processes, and reseeding or replanting areas where disturbance cannot be avoided with native wetland plant species appropriate to the local wetland type. For a list of native seed providers, please see the Department's habitat handbook guideline for [Restoration and Management of Native and Non-native Trees in Southwestern Riparian Ecosystems](#). For projects involving filling wetlands under federal jurisdiction, please contact the [Army Corps of Engineers](#) for more information on permits required under the Clean Water Act.

Disclaimers regarding recommendations:

- The Department provides technical guidance to support the persistence of all protected species of native fish and wildlife, including game and nongame wildlife species. Species listed within this report include those that have been documented to occur within the project area, and others that may not have been documented but are projected to occur within the project vicinity.
- Recommendations are provided by the Department under the authority of § 17-1-5.1 New Mexico Statutes Annotated 1978, to provide "communication and consultation with federal and other state agencies, local governments and communities, private organizations and affected interests responsible for habitat, wilderness, recreation, water quality and environmental protection to ensure comprehensive conservation services for hunters, anglers and nonconsumptive wildlife users".
- The Department has no authority for management of plants or Important Plant Areas. The [New Mexico Endangered Plant Program](#), under the Energy, Minerals, and Natural Resources Department's Forestry Division, identifies and develops conservation measures necessary to ensure the survival of plant species within New Mexico. Plant status information is provided within this report as a courtesy to users. Recommendations provided within the ERT may not be sufficient to preclude impacts to rare or sensitive plants, unless conservation measures are identified in coordination with the Endangered Plant Program.
- Additional coordination and/or consultation may also be necessary under the federal ESA or National Environmental Policy Act (NEPA). Further site-specific mitigation recommendations may be proposed during ESA consultation and/or NEPA analyses or through coordination with affected federal agencies.

Letter ANSI A Landscape

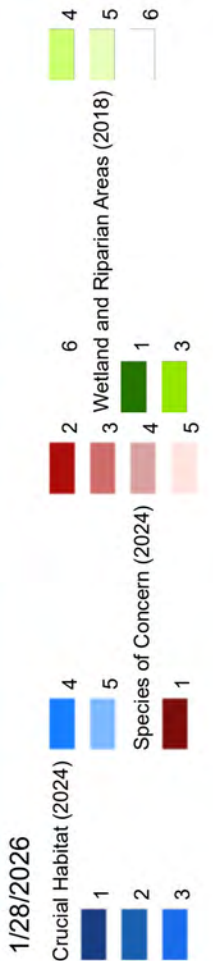


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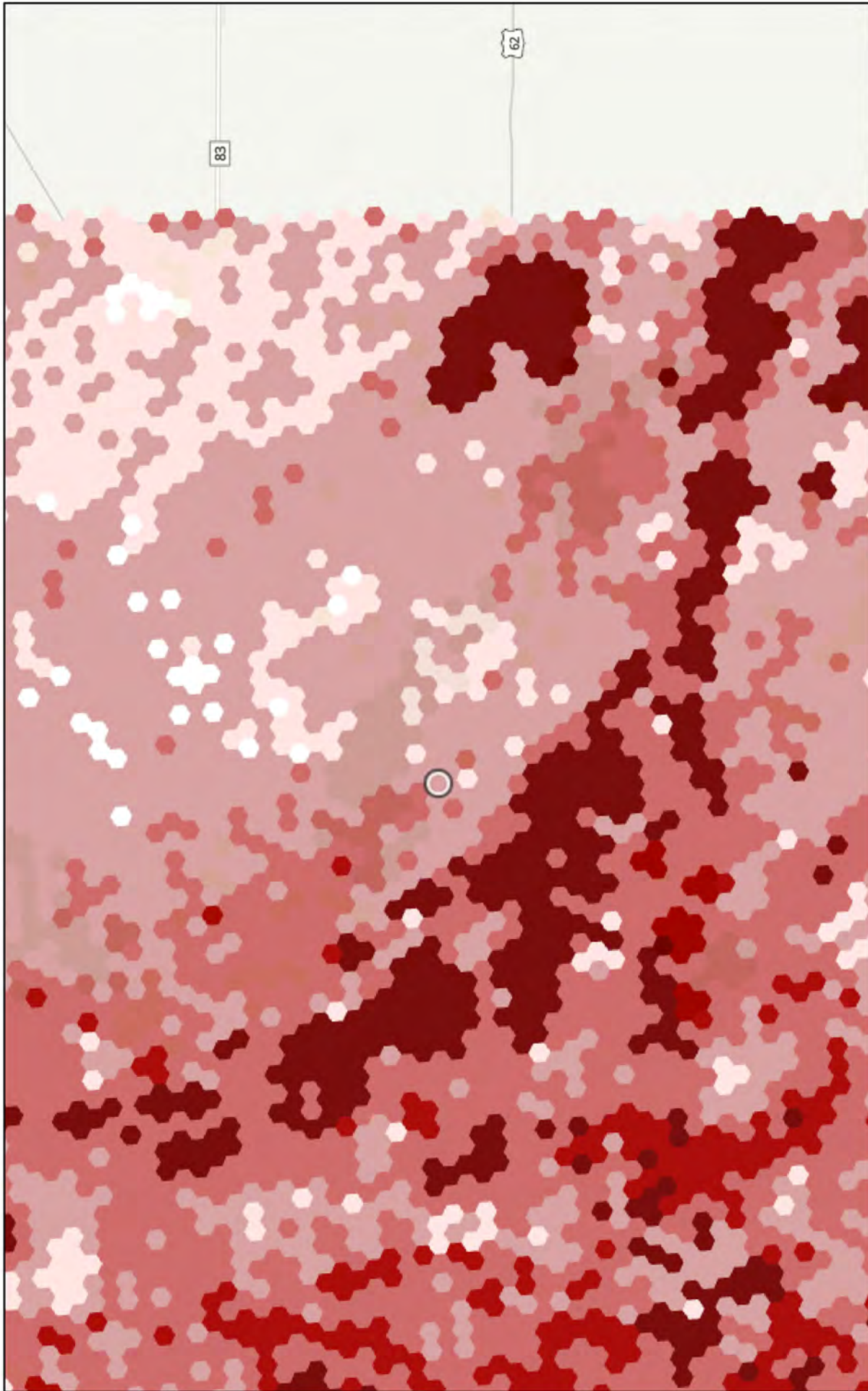
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0 5 10 20 km

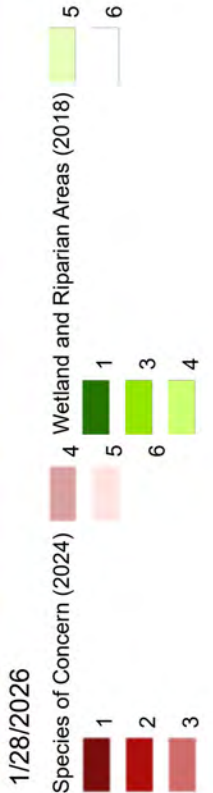
Esri, CGIAR, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

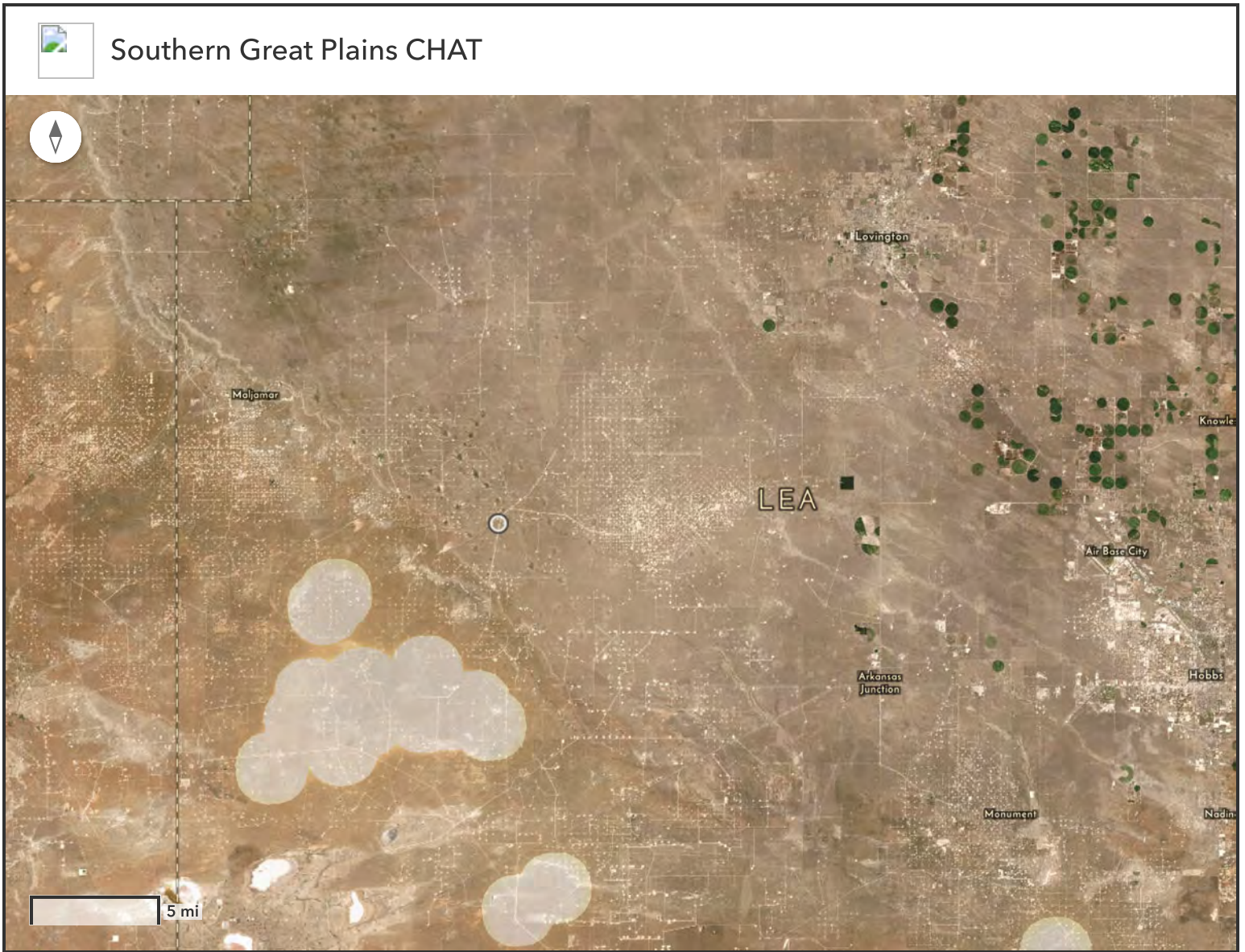


Letter ANSI A Landscape



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0 4.25 8.5 17 mi
0 5 10 20 km
Esri, CGIAR, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community





Earthstar Geographics | Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS | WAFWA is creator and owner of the grid structure.

**Lesser Prairie-Chicken (LPC)
Active & Historic Leks
Known Active Leks (2021-2025)**

At least one lek has been recorded as actively occurring in the last 5 years.

Historic Leks (since 1972)

At least one lek has been recorded as actively occurring since 1972.



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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Cindy Crain
 Crain Environmental
 2925 E. 17th St.
 Odessa, Texas 79761
 Generated 4/7/2026 4:38:26 PM

JOB DESCRIPTION

Phillips Lea #8
 Lea Co., NM

JOB NUMBER

880-70272-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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4/7/2026 4:38:26 PM

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

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Client: Crain Environmental
Project/Site: Phillips Lea #8

Laboratory Job ID: 880-70272-1
SDG: Lea Co., NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: Phillips Lea #8

Job ID: 880-70272-1
SDG: Lea Co., NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Crain Environmental
Project: Phillips Lea #8

Job ID: 880-70272-1

Job ID: 880-70272-1

Eurofins Midland

Job Narrative 880-70272-1

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 3/30/2026 2:37 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 2.6°C.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-136508 and analytical batch 880-136630 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-136508 and analytical batch 880-136630 recovered outside control limits for the following analytes: o-Xylene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside the upper control limit: TH-2 (1') (880-70272-3), TH-2 (3') (880-70272-4), TH-2 (4') (880-70272-5), TH-3 (0-6") (880-70272-6), TH-3 (2') (880-70272-7), TH-3 (4') (880-70272-8), TH-4 (1') (880-70272-9), TH-4 (4') (880-70272-10), TH-5 (4') (880-70272-12), TH-6 (1') (880-70272-13), TH-8 (0-6") (880-70272-17), TH-8 (1') (880-70272-18), TH-8 (4') (880-70272-19) and TH-9 (0-6") (880-70272-20). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-136508 and analytical batch 880-136630 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-70272-A-1-C MS). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-136517 and analytical batch 880-136640 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: TH-1 (4') (880-70272-2). 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: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-1 (1')

Lab Sample ID: 880-70272-1

Date Collected: 03/26/26 10:03

Matrix: Solid

Date Received: 03/30/26 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U F1 F2	0.00200	0.00139	mg/Kg		04/01/26 09:23	04/02/26 11:54	1
Toluene	<0.00200	U F1 F2	0.00200	0.00200	mg/Kg		04/01/26 09:23	04/02/26 11:54	1
Ethylbenzene	<0.00109	U F1 F2	0.00200	0.00109	mg/Kg		04/01/26 09:23	04/02/26 11:54	1
m-Xylene & p-Xylene	<0.00229	U F1 F2	0.00401	0.00229	mg/Kg		04/01/26 09:23	04/02/26 11:54	1
o-Xylene	<0.00159	U *+	0.00200	0.00159	mg/Kg		04/01/26 09:23	04/02/26 11:54	1
Xylenes, Total	<0.00229	U F1	0.00401	0.00229	mg/Kg		04/01/26 09:23	04/02/26 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/01/26 09:23	04/02/26 11:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/01/26 09:23	04/02/26 11:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00401	0.00229	mg/Kg			04/02/26 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			04/06/26 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		03/31/26 09:03	04/06/26 16:47	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 09:03	04/06/26 16:47	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 09:03	04/06/26 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	03/31/26 09:03	04/06/26 16:47	1
o-Terphenyl	104		70 - 130	03/31/26 09:03	04/06/26 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		9.92	0.392	mg/Kg			04/02/26 02:43	1

Client Sample ID: TH-1 (4')

Lab Sample ID: 880-70272-2

Date Collected: 03/26/26 10:12

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 12:14	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/01/26 09:23	04/02/26 12:14	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/01/26 09:23	04/02/26 12:14	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 09:23	04/02/26 12:14	1
o-Xylene	<0.00158	U *+	0.00200	0.00158	mg/Kg		04/01/26 09:23	04/02/26 12:14	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 09:23	04/02/26 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	04/01/26 09:23	04/02/26 12:14	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/01/26 09:23	04/02/26 12:14	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-1 (4')

Lab Sample ID: 880-70272-2

Date Collected: 03/26/26 10:12

Matrix: Solid

Date Received: 03/30/26 14:37

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			04/02/26 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			04/06/26 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		03/31/26 09:03	04/06/26 17:02	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:02	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	192	S1+	70 - 130				03/31/26 09:03	04/06/26 17:02	1
o-Terphenyl	212	S1+	70 - 130				03/31/26 09:03	04/06/26 17:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	306		10.0	0.397	mg/Kg			04/02/26 08:36	1

Client Sample ID: TH-2 (1')

Lab Sample ID: 880-70272-3

Date Collected: 03/26/26 10:21

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 12:35	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/01/26 09:23	04/02/26 12:35	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/01/26 09:23	04/02/26 12:35	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		04/01/26 09:23	04/02/26 12:35	1
o-Xylene	<0.00158	U **	0.00200	0.00158	mg/Kg		04/01/26 09:23	04/02/26 12:35	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		04/01/26 09:23	04/02/26 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				04/01/26 09:23	04/02/26 12:35	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/01/26 09:23	04/02/26 12:35	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			04/02/26 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			04/06/26 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		03/31/26 09:03	04/06/26 17:15	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:15	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-2 (1')

Lab Sample ID: 880-70272-3

Date Collected: 03/26/26 10:21

Matrix: Solid

Date Received: 03/30/26 14:37

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)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				03/31/26 09:03	04/06/26 17:15	1
o-Terphenyl	112		70 - 130				03/31/26 09:03	04/06/26 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3050		50.5	1.99	mg/Kg			04/02/26 08:41	5

Client Sample ID: TH-2 (3')

Lab Sample ID: 880-70272-4

Date Collected: 03/26/26 10:27

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 12:55	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		04/01/26 09:23	04/02/26 12:55	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		04/01/26 09:23	04/02/26 12:55	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		04/01/26 09:23	04/02/26 12:55	1
o-Xylene	<0.00159	U **	0.00201	0.00159	mg/Kg		04/01/26 09:23	04/02/26 12:55	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		04/01/26 09:23	04/02/26 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				04/01/26 09:23	04/02/26 12:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/01/26 09:23	04/02/26 12:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			04/02/26 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			04/06/26 17:30	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		03/31/26 09:03	04/06/26 17:30	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:30	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/31/26 09:03	04/06/26 17:30	1
o-Terphenyl	106		70 - 130				03/31/26 09:03	04/06/26 17:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2410		49.7	1.96	mg/Kg			04/02/26 08:47	5

Eurofins Midland

Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-2 (4')

Lab Sample ID: 880-70272-5

Date Collected: 03/26/26 10:30

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 13:16	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		04/01/26 09:23	04/02/26 13:16	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		04/01/26 09:23	04/02/26 13:16	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		04/01/26 09:23	04/02/26 13:16	1
o-Xylene	<0.00160	U **	0.00202	0.00160	mg/Kg		04/01/26 09:23	04/02/26 13:16	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		04/01/26 09:23	04/02/26 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	04/01/26 09:23	04/02/26 13:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/01/26 09:23	04/02/26 13:16	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			04/02/26 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			04/06/26 17:44	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		03/31/26 09:03	04/06/26 17:44	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:44	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/31/26 09:03	04/06/26 17:44	1
o-Terphenyl	115		70 - 130	03/31/26 09:03	04/06/26 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270		49.6	1.96	mg/Kg			04/02/26 03:02	5

Client Sample ID: TH-3 (0-6")

Lab Sample ID: 880-70272-6

Date Collected: 03/26/26 10:35

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 13:36	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		04/01/26 09:23	04/02/26 13:36	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		04/01/26 09:23	04/02/26 13:36	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		04/01/26 09:23	04/02/26 13:36	1
o-Xylene	<0.00157	U **	0.00199	0.00157	mg/Kg		04/01/26 09:23	04/02/26 13:36	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		04/01/26 09:23	04/02/26 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	04/01/26 09:23	04/02/26 13:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/01/26 09:23	04/02/26 13:36	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-3 (0-6")

Lab Sample ID: 880-70272-6

Date Collected: 03/26/26 10:35

Matrix: Solid

Date Received: 03/30/26 14:37

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			04/02/26 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			04/06/26 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		03/31/26 09:03	04/06/26 17:59	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:59	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 09:03	04/06/26 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/31/26 09:03	04/06/26 17:59	1
o-Terphenyl	100		70 - 130				03/31/26 09:03	04/06/26 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		10.0	0.396	mg/Kg			04/02/26 03:07	1

Client Sample ID: TH-3 (2')

Lab Sample ID: 880-70272-7

Date Collected: 03/26/26 10:41

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 13:57	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		04/01/26 09:23	04/02/26 13:57	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		04/01/26 09:23	04/02/26 13:57	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		04/01/26 09:23	04/02/26 13:57	1
o-Xylene	<0.00157	U **	0.00198	0.00157	mg/Kg		04/01/26 09:23	04/02/26 13:57	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		04/01/26 09:23	04/02/26 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				04/01/26 09:23	04/02/26 13:57	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/01/26 09:23	04/02/26 13:57	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			04/02/26 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			04/06/26 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		03/31/26 09:03	04/06/26 18:13	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 09:03	04/06/26 18:13	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-3 (2')

Lab Sample ID: 880-70272-7

Date Collected: 03/26/26 10:41

Matrix: Solid

Date Received: 03/30/26 14:37

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)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 09:03	04/06/26 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				03/31/26 09:03	04/06/26 18:13	1
o-Terphenyl	103		70 - 130				03/31/26 09:03	04/06/26 18:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	672		10.0	0.397	mg/Kg			04/02/26 03:12	1

Client Sample ID: TH-3 (4')

Lab Sample ID: 880-70272-8

Date Collected: 03/26/26 10:48

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 14:17	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/01/26 09:23	04/02/26 14:17	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/01/26 09:23	04/02/26 14:17	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		04/01/26 09:23	04/02/26 14:17	1
o-Xylene	<0.00158	U **	0.00200	0.00158	mg/Kg		04/01/26 09:23	04/02/26 14:17	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		04/01/26 09:23	04/02/26 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				04/01/26 09:23	04/02/26 14:17	1
1,4-Difluorobenzene (Surr)	95		70 - 130				04/01/26 09:23	04/02/26 14:17	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			04/02/26 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			04/06/26 18:28	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		03/31/26 09:03	04/06/26 18:28	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 09:03	04/06/26 18:28	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 09:03	04/06/26 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/31/26 09:03	04/06/26 18:28	1
o-Terphenyl	105		70 - 130				03/31/26 09:03	04/06/26 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		10.1	0.398	mg/Kg			04/02/26 03:18	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Phillips Lea #8

Job ID: 880-70272-1
SDG: Lea Co., NM

Client Sample ID: TH-4 (1')

Lab Sample ID: 880-70272-9

Date Collected: 03/26/26 10:56

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 14:38	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		04/01/26 09:23	04/02/26 14:38	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		04/01/26 09:23	04/02/26 14:38	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		04/01/26 09:23	04/02/26 14:38	1
o-Xylene	<0.00159	U **	0.00201	0.00159	mg/Kg		04/01/26 09:23	04/02/26 14:38	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		04/01/26 09:23	04/02/26 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	04/01/26 09:23	04/02/26 14:38	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/01/26 09:23	04/02/26 14:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			04/02/26 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.1	15.1	mg/Kg			04/06/26 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.1	14.5	mg/Kg		03/31/26 09:03	04/06/26 18:42	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		03/31/26 09:03	04/06/26 18:42	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.1	15.1	mg/Kg		03/31/26 09:03	04/06/26 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	03/31/26 09:03	04/06/26 18:42	1
o-Terphenyl	101		70 - 130	03/31/26 09:03	04/06/26 18:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		49.9	1.97	mg/Kg			04/02/26 03:23	5

Client Sample ID: TH-4 (4')

Lab Sample ID: 880-70272-10

Date Collected: 03/26/26 11:06

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 14:58	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		04/01/26 09:23	04/02/26 14:58	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		04/01/26 09:23	04/02/26 14:58	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		04/01/26 09:23	04/02/26 14:58	1
o-Xylene	<0.00160	U **	0.00202	0.00160	mg/Kg		04/01/26 09:23	04/02/26 14:58	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		04/01/26 09:23	04/02/26 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	04/01/26 09:23	04/02/26 14:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/01/26 09:23	04/02/26 14:58	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-4 (4')

Lab Sample ID: 880-70272-10

Date Collected: 03/26/26 11:06

Matrix: Solid

Date Received: 03/30/26 14:37

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			04/02/26 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			04/03/26 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/31/26 13:56	04/03/26 18:36	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 18:36	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/31/26 13:56	04/03/26 18:36	1
o-Terphenyl	102		70 - 130	03/31/26 13:56	04/03/26 18:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		50.2	1.98	mg/Kg			04/02/26 03:28	5

Client Sample ID: TH-5 (1')

Lab Sample ID: 880-70272-11

Date Collected: 03/26/26 11:15

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 16:49	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		04/01/26 09:23	04/02/26 16:49	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		04/01/26 09:23	04/02/26 16:49	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		04/01/26 09:23	04/02/26 16:49	1
o-Xylene	<0.00157	U **	0.00199	0.00157	mg/Kg		04/01/26 09:23	04/02/26 16:49	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		04/01/26 09:23	04/02/26 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/01/26 09:23	04/02/26 16:49	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/01/26 09:23	04/02/26 16:49	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			04/02/26 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			04/03/26 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/31/26 13:56	04/03/26 19:21	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 19:21	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Phillips Lea #8

Job ID: 880-70272-1
SDG: Lea Co., NM

Client Sample ID: TH-5 (1')

Lab Sample ID: 880-70272-11

Date Collected: 03/26/26 11:15

Matrix: Solid

Date Received: 03/30/26 14:37

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)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/31/26 13:56	04/03/26 19:21	1
o-Terphenyl	104		70 - 130				03/31/26 13:56	04/03/26 19:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	385		10.0	0.396	mg/Kg			04/02/26 03:44	1

Client Sample ID: TH-5 (4')

Lab Sample ID: 880-70272-12

Date Collected: 03/26/26 11:25

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 17:10	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		04/01/26 09:23	04/02/26 17:10	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		04/01/26 09:23	04/02/26 17:10	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		04/01/26 09:23	04/02/26 17:10	1
o-Xylene	<0.00157	U**	0.00198	0.00157	mg/Kg		04/01/26 09:23	04/02/26 17:10	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		04/01/26 09:23	04/02/26 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				04/01/26 09:23	04/02/26 17:10	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/01/26 09:23	04/02/26 17:10	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			04/02/26 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.5	J	49.9	15.1	mg/Kg			04/03/26 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.5	J	49.9	14.5	mg/Kg		03/31/26 13:56	04/03/26 19:36	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 13:56	04/03/26 19:36	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 13:56	04/03/26 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/31/26 13:56	04/03/26 19:36	1
o-Terphenyl	107		70 - 130				03/31/26 13:56	04/03/26 19:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.2		10.1	0.398	mg/Kg			04/02/26 03:49	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-6 (1')

Lab Sample ID: 880-70272-13

Date Collected: 03/26/26 11:33

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 17:30	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		04/01/26 09:23	04/02/26 17:30	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		04/01/26 09:23	04/02/26 17:30	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		04/01/26 09:23	04/02/26 17:30	1
o-Xylene	<0.00157	U **	0.00198	0.00157	mg/Kg		04/01/26 09:23	04/02/26 17:30	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		04/01/26 09:23	04/02/26 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	04/01/26 09:23	04/02/26 17:30	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/01/26 09:23	04/02/26 17:30	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			04/02/26 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			04/03/26 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		03/31/26 13:56	04/03/26 19:51	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 13:56	04/03/26 19:51	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 13:56	04/03/26 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/31/26 13:56	04/03/26 19:51	1
o-Terphenyl	105		70 - 130	03/31/26 13:56	04/03/26 19:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	687		9.98	0.394	mg/Kg			04/02/26 04:05	1

Client Sample ID: TH-6 (4')

Lab Sample ID: 880-70272-14

Date Collected: 03/26/26 11:43

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 17:51	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/01/26 09:23	04/02/26 17:51	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/01/26 09:23	04/02/26 17:51	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 09:23	04/02/26 17:51	1
o-Xylene	<0.00158	U **	0.00200	0.00158	mg/Kg		04/01/26 09:23	04/02/26 17:51	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 09:23	04/02/26 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	04/01/26 09:23	04/02/26 17:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/01/26 09:23	04/02/26 17:51	1

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Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-6 (4')

Lab Sample ID: 880-70272-14

Date Collected: 03/26/26 11:43

Matrix: Solid

Date Received: 03/30/26 14:37

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			04/02/26 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			04/03/26 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/31/26 13:56	04/03/26 20:07	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 20:07	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/31/26 13:56	04/03/26 20:07	1
o-Terphenyl	107		70 - 130				03/31/26 13:56	04/03/26 20:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	875		9.92	0.392	mg/Kg			04/02/26 04:10	1

Client Sample ID: TH-7 (1')

Lab Sample ID: 880-70272-15

Date Collected: 03/26/26 11:53

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 18:11	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/01/26 09:23	04/02/26 18:11	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/01/26 09:23	04/02/26 18:11	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		04/01/26 09:23	04/02/26 18:11	1
o-Xylene	<0.00158	U **	0.00200	0.00158	mg/Kg		04/01/26 09:23	04/02/26 18:11	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		04/01/26 09:23	04/02/26 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				04/01/26 09:23	04/02/26 18:11	1
1,4-Difluorobenzene (Surr)	103		70 - 130				04/01/26 09:23	04/02/26 18:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			04/02/26 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			04/03/26 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		03/31/26 13:56	04/03/26 20:21	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 13:56	04/03/26 20:21	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Phillips Lea #8

Job ID: 880-70272-1
SDG: Lea Co., NM

Client Sample ID: TH-7 (1')

Lab Sample ID: 880-70272-15

Date Collected: 03/26/26 11:53

Matrix: Solid

Date Received: 03/30/26 14:37

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)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 13:56	04/03/26 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/31/26 13:56	04/03/26 20:21	1
o-Terphenyl	105		70 - 130				03/31/26 13:56	04/03/26 20:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		9.96	0.393	mg/Kg			04/02/26 04:15	1

Client Sample ID: TH-7 (4')

Lab Sample ID: 880-70272-16

Date Collected: 03/26/26 12:04

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 18:32	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		04/01/26 09:23	04/02/26 18:32	1
Ethylbenzene	<0.00110	U	0.00201	0.00110	mg/Kg		04/01/26 09:23	04/02/26 18:32	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg		04/01/26 09:23	04/02/26 18:32	1
o-Xylene	<0.00159	U **	0.00201	0.00159	mg/Kg		04/01/26 09:23	04/02/26 18:32	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg		04/01/26 09:23	04/02/26 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				04/01/26 09:23	04/02/26 18:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130				04/01/26 09:23	04/02/26 18:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00230	U	0.00402	0.00230	mg/Kg			04/02/26 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			04/03/26 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		03/31/26 13:56	04/03/26 20:38	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 13:56	04/03/26 20:38	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 13:56	04/03/26 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/31/26 13:56	04/03/26 20:38	1
o-Terphenyl	109		70 - 130				03/31/26 13:56	04/03/26 20:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		10.0	0.395	mg/Kg			04/02/26 04:20	1

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Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-8 (0-6")

Lab Sample ID: 880-70272-17

Date Collected: 03/26/26 12:10

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 18:52	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		04/01/26 09:23	04/02/26 18:52	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		04/01/26 09:23	04/02/26 18:52	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		04/01/26 09:23	04/02/26 18:52	1
o-Xylene	<0.00160	U **	0.00202	0.00160	mg/Kg		04/01/26 09:23	04/02/26 18:52	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		04/01/26 09:23	04/02/26 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	04/01/26 09:23	04/02/26 18:52	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/01/26 09:23	04/02/26 18:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			04/02/26 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	50.0	15.1	mg/Kg			04/03/26 20:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		03/31/26 13:56	04/03/26 20:53	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 20:53	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/31/26 13:56	04/03/26 20:53	1
o-Terphenyl	109		70 - 130	03/31/26 13:56	04/03/26 20:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		10.0	0.396	mg/Kg			04/02/26 04:25	1

Client Sample ID: TH-8 (1')

Lab Sample ID: 880-70272-18

Date Collected: 03/26/26 12:13

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 19:13	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		04/01/26 09:23	04/02/26 19:13	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		04/01/26 09:23	04/02/26 19:13	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		04/01/26 09:23	04/02/26 19:13	1
o-Xylene	<0.00157	U **	0.00199	0.00157	mg/Kg		04/01/26 09:23	04/02/26 19:13	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		04/01/26 09:23	04/02/26 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	04/01/26 09:23	04/02/26 19:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/01/26 09:23	04/02/26 19:13	1

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Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-8 (1')

Lab Sample ID: 880-70272-18

Date Collected: 03/26/26 12:13

Matrix: Solid

Date Received: 03/30/26 14:37

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			04/02/26 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			04/03/26 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		03/31/26 13:56	04/03/26 21:08	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 13:56	04/03/26 21:08	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 13:56	04/03/26 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/31/26 13:56	04/03/26 21:08	1
o-Terphenyl	107		70 - 130	03/31/26 13:56	04/03/26 21:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		10.0	0.397	mg/Kg			04/02/26 04:31	1

Client Sample ID: TH-8 (4')

Lab Sample ID: 880-70272-19

Date Collected: 03/26/26 12:24

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 19:33	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		04/01/26 09:23	04/02/26 19:33	1
Ethylbenzene	<0.00108	U	0.00198	0.00108	mg/Kg		04/01/26 09:23	04/02/26 19:33	1
m-Xylene & p-Xylene	<0.00226	U	0.00396	0.00226	mg/Kg		04/01/26 09:23	04/02/26 19:33	1
o-Xylene	<0.00157	U **	0.00198	0.00157	mg/Kg		04/01/26 09:23	04/02/26 19:33	1
Xylenes, Total	<0.00226	U	0.00396	0.00226	mg/Kg		04/01/26 09:23	04/02/26 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	04/01/26 09:23	04/02/26 19:33	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/01/26 09:23	04/02/26 19:33	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			04/02/26 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			04/03/26 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		03/31/26 13:56	04/03/26 21:23	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 13:56	04/03/26 21:23	1

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Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-8 (4')

Lab Sample ID: 880-70272-19

Date Collected: 03/26/26 12:24

Matrix: Solid

Date Received: 03/30/26 14:37

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)	<15.1	U	49.8	15.1	mg/Kg		03/31/26 13:56	04/03/26 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/31/26 13:56	04/03/26 21:23	1
o-Terphenyl	107		70 - 130				03/31/26 13:56	04/03/26 21:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		10.1	0.398	mg/Kg			04/02/26 04:36	1

Client Sample ID: TH-9 (0-6")

Lab Sample ID: 880-70272-20

Date Collected: 03/26/26 12:30

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/01/26 09:23	04/02/26 19:54	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/01/26 09:23	04/02/26 19:54	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/01/26 09:23	04/02/26 19:54	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 09:23	04/02/26 19:54	1
o-Xylene	<0.00158	U **	0.00200	0.00158	mg/Kg		04/01/26 09:23	04/02/26 19:54	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 09:23	04/02/26 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				04/01/26 09:23	04/02/26 19:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130				04/01/26 09:23	04/02/26 19:54	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			04/02/26 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.1	J	50.0	15.1	mg/Kg			04/03/26 21:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.1	J	50.0	14.5	mg/Kg		03/31/26 13:56	04/03/26 21:53	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 21:53	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/31/26 13:56	04/03/26 21:53	1
o-Terphenyl	110		70 - 130				03/31/26 13:56	04/03/26 21:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		10.1	0.397	mg/Kg			04/02/26 20:44	1

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Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-9 (1')

Lab Sample ID: 880-70272-21

Date Collected: 03/26/26 12:33

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/02/26 10:13	04/02/26 20:05	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		04/02/26 10:13	04/02/26 20:05	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		04/02/26 10:13	04/02/26 20:05	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		04/02/26 10:13	04/02/26 20:05	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		04/02/26 10:13	04/02/26 20:05	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		04/02/26 10:13	04/02/26 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/02/26 10:13	04/02/26 20:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/02/26 10:13	04/02/26 20:05	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			04/02/26 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.2	J	49.9	15.1	mg/Kg			04/03/26 22:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.2	J	49.9	14.5	mg/Kg		03/31/26 13:56	04/03/26 22:08	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 13:56	04/03/26 22:08	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		03/31/26 13:56	04/03/26 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	03/31/26 13:56	04/03/26 22:08	1
o-Terphenyl	115		70 - 130	03/31/26 13:56	04/03/26 22:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		10.0	0.397	mg/Kg			04/02/26 21:00	1

Client Sample ID: TH-9 (4')

Lab Sample ID: 880-70272-22

Date Collected: 03/26/26 12:45

Matrix: Solid

Date Received: 03/30/26 14:37

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		04/02/26 10:13	04/02/26 20:26	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		04/02/26 10:13	04/02/26 20:26	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		04/02/26 10:13	04/02/26 20:26	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		04/02/26 10:13	04/02/26 20:26	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		04/02/26 10:13	04/02/26 20:26	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		04/02/26 10:13	04/02/26 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	04/02/26 10:13	04/02/26 20:26	1
1,4-Difluorobenzene (Surr)	74		70 - 130	04/02/26 10:13	04/02/26 20:26	1

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Client Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-9 (4')

Lab Sample ID: 880-70272-22

Date Collected: 03/26/26 12:45

Matrix: Solid

Date Received: 03/30/26 14:37

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			04/02/26 20:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.1	J	50.0	15.1	mg/Kg			04/03/26 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.1	J	50.0	14.5	mg/Kg		03/31/26 13:56	04/03/26 22:23	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 22:23	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				03/31/26 13:56	04/03/26 22:23	1
o-Terphenyl	104		70 - 130				03/31/26 13:56	04/03/26 22:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		10.1	0.397	mg/Kg			04/02/26 21:05	1

Surrogate Summary

Client: Crain Environmental
Project/Site: Phillips Lea #8Job ID: 880-70272-1
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)
880-70251-C-1-C MS	Matrix Spike	97	115
880-70251-C-1-D MSD	Matrix Spike Duplicate	97	104
880-70272-1	TH-1 (1')	111	95
880-70272-1 MS	TH-1 (1')	147 S1+	106
880-70272-1 MSD	TH-1 (1')	117	95
880-70272-2	TH-1 (4')	129	96
880-70272-3	TH-2 (1')	144 S1+	106
880-70272-4	TH-2 (3')	139 S1+	98
880-70272-5	TH-2 (4')	132 S1+	103
880-70272-6	TH-3 (0-6")	134 S1+	94
880-70272-7	TH-3 (2')	134 S1+	97
880-70272-8	TH-3 (4')	134 S1+	95
880-70272-9	TH-4 (1')	133 S1+	95
880-70272-10	TH-4 (4')	144 S1+	97
880-70272-11	TH-5 (1')	115	104
880-70272-12	TH-5 (4')	139 S1+	106
880-70272-13	TH-6 (1')	137 S1+	105
880-70272-14	TH-6 (4')	127	93
880-70272-15	TH-7 (1')	130	103
880-70272-16	TH-7 (4')	130	99
880-70272-17	TH-8 (0-6")	144 S1+	102
880-70272-18	TH-8 (1')	136 S1+	92
880-70272-19	TH-8 (4')	134 S1+	96
880-70272-20	TH-9 (0-6")	131 S1+	94
880-70272-21	TH-9 (1')	105	103
880-70272-22	TH-9 (4')	78	74
LCS 880-136508/1-A	Lab Control Sample	112	100
LCS 880-136517/1-A	Lab Control Sample	86	88
LCS 880-136508/2-A	Lab Control Sample Dup	128	99
LCS 880-136517/2-A	Lab Control Sample Dup	94	88
MB 880-136508/5-A	Method Blank	268 S1+	120
MB 880-136517/5-A	Method Blank	111	94

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)
880-70261-A-55-B MS	Matrix Spike	123	113
880-70261-A-55-C MSD	Matrix Spike Duplicate	117	113
880-70272-1	TH-1 (1')	92	104
880-70272-2	TH-1 (4')	192 S1+	212 S1+
880-70272-3	TH-2 (1')	101	112
880-70272-4	TH-2 (3')	94	106
880-70272-5	TH-2 (4')	103	115

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Surrogate Summary

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-70272-6	TH-3 (0-6")	91	100
880-70272-7	TH-3 (2')	90	103
880-70272-8	TH-3 (4')	95	105
880-70272-9	TH-4 (1')	89	101
880-70272-10	TH-4 (4')	102	102
880-70272-10 MS	TH-4 (4')	97	103
880-70272-10 MSD	TH-4 (4')	95	100
880-70272-11	TH-5 (1')	105	104
880-70272-12	TH-5 (4')	111	107
880-70272-13	TH-6 (1')	109	105
880-70272-14	TH-6 (4')	108	107
880-70272-15	TH-7 (1')	108	105
880-70272-16	TH-7 (4')	109	109
880-70272-17	TH-8 (0-6")	112	109
880-70272-18	TH-8 (1')	110	107
880-70272-19	TH-8 (4')	109	107
880-70272-20	TH-9 (0-6")	113	110
880-70272-21	TH-9 (1')	117	115
880-70272-22	TH-9 (4')	104	104
LCS 880-136357/2-A	Lab Control Sample	101	97
LCS 880-136425/2-A	Lab Control Sample	90	90
LCSD 880-136357/3-A	Lab Control Sample Dup	92	87
LCSD 880-136425/3-A	Lab Control Sample Dup	86	86
MB 880-136357/1-A	Method Blank	73	79
MB 880-136425/1-A	Method Blank	91	88

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

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

QC Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-136508/5-A
 Matrix: Solid
 Analysis Batch: 136630

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 136508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		04/01/26 09:23	04/02/26 11:25	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/01/26 09:23	04/02/26 11:25	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/01/26 09:23	04/02/26 11:25	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 09:23	04/02/26 11:25	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		04/01/26 09:23	04/02/26 11:25	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 09:23	04/02/26 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	268	S1+	70 - 130	04/01/26 09:23	04/02/26 11:25	1
1,4-Difluorobenzene (Surr)	120		70 - 130	04/01/26 09:23	04/02/26 11:25	1

Lab Sample ID: LCS 880-136508/1-A
 Matrix: Solid
 Analysis Batch: 136630

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 136508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09036		mg/Kg		90	70 - 130
Toluene	0.100	0.07945		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.1011		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2111		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-136508/2-A
 Matrix: Solid
 Analysis Batch: 136630

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 136508

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1124		mg/Kg		112	70 - 130	22	35
Toluene	0.100	0.09407		mg/Kg		94	70 - 130	17	35
Ethylbenzene	0.100	0.1162		mg/Kg		116	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2489		mg/Kg		124	70 - 130	16	35
o-Xylene	0.100	0.1362	*+	mg/Kg		136	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-70272-1 MS
 Matrix: Solid
 Analysis Batch: 136630

Client Sample ID: TH-1 (1')
 Prep Type: Total/NA
 Prep Batch: 136508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U F1 F2	0.100	0.05043	F1	mg/Kg		50	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.03520	F1	mg/Kg		35	70 - 130

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QC Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

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

Lab Sample ID: 880-70272-1 MS

Client Sample ID: TH-1 (1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 136630

Prep Batch: 136508

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00109	U F1 F2	0.100	0.04503	F1	mg/Kg		45	70 - 130
m-Xylene & p-Xylene	<0.00229	U F1 F2	0.200	0.1175	F1	mg/Kg		59	70 - 130
o-Xylene	<0.00159	U *	0.100	0.07039		mg/Kg		70	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-70272-1 MSD

Client Sample ID: TH-1 (1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 136630

Prep Batch: 136508

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00139	U F1 F2	0.100	0.08660	F2	mg/Kg		87	70 - 130	53	35
Toluene	<0.00200	U F1 F2	0.100	0.07270	F2	mg/Kg		73	70 - 130	69	35
Ethylbenzene	<0.00109	U F1 F2	0.100	0.08054	F2	mg/Kg		81	70 - 130	57	35
m-Xylene & p-Xylene	<0.00229	U F1 F2	0.200	0.1691	F2	mg/Kg		85	70 - 130	36	35
o-Xylene	<0.00159	U *	0.100	0.09311		mg/Kg		93	70 - 130	28	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-136517/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 136640

Prep Batch: 136517

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		04/01/26 10:13	04/02/26 11:38	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		04/01/26 10:13	04/02/26 11:38	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		04/01/26 10:13	04/02/26 11:38	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 10:13	04/02/26 11:38	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		04/01/26 10:13	04/02/26 11:38	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		04/01/26 10:13	04/02/26 11:38	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	111		70 - 130	04/01/26 10:13	04/02/26 11:38	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/01/26 10:13	04/02/26 11:38	1

Lab Sample ID: LCS 880-136517/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 136640

Prep Batch: 136517

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Benzene	0.100	0.07679		mg/Kg		77	70 - 130
Toluene	0.100	0.07426		mg/Kg		74	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.1748		mg/Kg		87	70 - 130

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QC Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

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

Lab Sample ID: LCS 880-136517/1-A
Matrix: Solid
Analysis Batch: 136640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.07952		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-136517/2-A
Matrix: Solid
Analysis Batch: 136640

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 136517

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08361		mg/Kg		84	70 - 130	9	35
Toluene	0.100	0.08388		mg/Kg		84	70 - 130	12	35
Ethylbenzene	0.100	0.07775		mg/Kg		78	70 - 130	26	35
m-Xylene & p-Xylene	0.200	0.1511		mg/Kg		76	70 - 130	15	35
o-Xylene	0.100	0.07599		mg/Kg		76	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-70251-C-1-C MS
Matrix: Solid
Analysis Batch: 136640

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 136517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U F1	0.100	0.06811	F1	mg/Kg		68	70 - 130
Toluene	<0.00200	U	0.100	0.07640		mg/Kg		76	70 - 130
Ethylbenzene	<0.00109	U F2 F1	0.100	0.08776		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00228	U F1	0.200	0.1590		mg/Kg		79	70 - 130
o-Xylene	<0.00158	U F1	0.100	0.08017		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-70251-C-1-D MSD
Matrix: Solid
Analysis Batch: 136640

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 136517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00139	U F1	0.100	0.07580		mg/Kg		76	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.07302		mg/Kg		73	70 - 130	5	35
Ethylbenzene	<0.00109	U F2 F1	0.100	0.05723	F2 F1	mg/Kg		57	70 - 130	42	35
m-Xylene & p-Xylene	<0.00228	U F1	0.200	0.1178	F1	mg/Kg		59	70 - 130	30	35
o-Xylene	<0.00158	U F1	0.100	0.06036	F1	mg/Kg		60	70 - 130	28	35

QC Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

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

Lab Sample ID: 880-70251-C-1-D MSD
 Matrix: Solid
 Analysis Batch: 136640

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 136517

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-136357/1-A
 Matrix: Solid
 Analysis Batch: 136936

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 136357

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		03/31/26 09:03	04/06/26 10:15	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 09:03	04/06/26 10:15	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 09:03	04/06/26 10:15	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	73		70 - 130	03/31/26 09:03	04/06/26 10:15	1
o-Terphenyl	79		70 - 130	03/31/26 09:03	04/06/26 10:15	1

Lab Sample ID: LCS 880-136357/2-A
 Matrix: Solid
 Analysis Batch: 136936

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 136357

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	912.8		mg/Kg		91	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	101		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-136357/3-A
 Matrix: Solid
 Analysis Batch: 136936

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 136357

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	912.0		mg/Kg		91	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	844.6		mg/Kg		84	70 - 130	8	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	92		70 - 130
o-Terphenyl	87		70 - 130

QC Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

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

Lab Sample ID: 880-70261-A-55-B MS
 Matrix: Solid
 Analysis Batch: 136936

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 136357

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<14.6	U	999	937.0		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	<15.2	U	999	886.2		mg/Kg		89	70 - 130
Surrogate	MS	MS							
	%Recovery	Qualifier	Limits						
1-Chlorooctane	123		70 - 130						
o-Terphenyl	113		70 - 130						

Lab Sample ID: 880-70261-A-55-C MSD
 Matrix: Solid
 Analysis Batch: 136936

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 136357

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<14.6	U	999	966.6		mg/Kg		97	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<15.2	U	999	899.2		mg/Kg		90	70 - 130	1	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	113		70 - 130								

Lab Sample ID: MB 880-136425/1-A
 Matrix: Solid
 Analysis Batch: 136765

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 136425

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		03/31/26 13:56	04/03/26 16:00	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 16:00	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		03/31/26 13:56	04/03/26 16:00	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
1-Chlorooctane	91		70 - 130				03/31/26 13:56	04/03/26 16:00	1
o-Terphenyl	88		70 - 130				03/31/26 13:56	04/03/26 16:00	1

Lab Sample ID: LCS 880-136425/2-A
 Matrix: Solid
 Analysis Batch: 136765

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 136425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130

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QC Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

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

Lab Sample ID: LCS 880-136425/2-A
Matrix: Solid
Analysis Batch: 136765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136425

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	90		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-136425/3-A
Matrix: Solid
Analysis Batch: 136765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 136425

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1061		mg/Kg		106	70 - 130	8		20
Diesel Range Organics (Over C10-C28)	1000	971.5		mg/Kg		97	70 - 130	5		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	86		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 880-70272-10 MS
Matrix: Solid
Analysis Batch: 136765

Client Sample ID: TH-4 (4')
Prep Type: Total/NA
Prep Batch: 136425

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	997	1057		mg/Kg		106	70 - 130	
Diesel Range Organics (Over C10-C28)	<15.1	U	997	944.6		mg/Kg		95	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	97		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-70272-10 MSD
Matrix: Solid
Analysis Batch: 136765

Client Sample ID: TH-4 (4')
Prep Type: Total/NA
Prep Batch: 136425

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	997	1048		mg/Kg		105	70 - 130	1		20
Diesel Range Organics (Over C10-C28)	<15.1	U	997	924.0		mg/Kg		93	70 - 130	2		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	95		70 - 130
o-Terphenyl	100		70 - 130

QC Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-136391/1-A
 Matrix: Solid
 Analysis Batch: 136544

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			04/02/26 02:23	1

Lab Sample ID: LCS 880-136391/2-A
 Matrix: Solid
 Analysis Batch: 136544

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-136391/3-A
 Matrix: Solid
 Analysis Batch: 136544

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.6		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-70272-10 MS
 Matrix: Solid
 Analysis Batch: 136544

Client Sample ID: TH-4 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1150		1260	2514		mg/Kg		109	90 - 110

Lab Sample ID: 880-70272-10 MSD
 Matrix: Solid
 Analysis Batch: 136544

Client Sample ID: TH-4 (4')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1150		1260	2529		mg/Kg		110	90 - 110	1	20

Lab Sample ID: MB 880-136392/1-A
 Matrix: Solid
 Analysis Batch: 136545

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			04/02/26 20:28	1

Lab Sample ID: LCS 880-136392/2-A
 Matrix: Solid
 Analysis Batch: 136545

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-136392/3-A
 Matrix: Solid
 Analysis Batch: 136545

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.3		mg/Kg		97	90 - 110	0	20

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QC Sample Results

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-70272-20 MS
 Matrix: Solid
 Analysis Batch: 136545

Client Sample ID: TH-9 (0-6")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	156		252	409.6		mg/Kg		101	90 - 110

Lab Sample ID: 880-70272-20 MSD
 Matrix: Solid
 Analysis Batch: 136545

Client Sample ID: TH-9 (0-6")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	156		252	412.9		mg/Kg		102	90 - 110	1	20

- 1
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- 13
- 14

QC Association Summary

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

GC VOA

Prep Batch: 136508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-1	TH-1 (1')	Total/NA	Solid	5035	
880-70272-2	TH-1 (4')	Total/NA	Solid	5035	
880-70272-3	TH-2 (1')	Total/NA	Solid	5035	
880-70272-4	TH-2 (3')	Total/NA	Solid	5035	
880-70272-5	TH-2 (4')	Total/NA	Solid	5035	
880-70272-6	TH-3 (0-6")	Total/NA	Solid	5035	
880-70272-7	TH-3 (2')	Total/NA	Solid	5035	
880-70272-8	TH-3 (4')	Total/NA	Solid	5035	
880-70272-9	TH-4 (1')	Total/NA	Solid	5035	
880-70272-10	TH-4 (4')	Total/NA	Solid	5035	
880-70272-11	TH-5 (1')	Total/NA	Solid	5035	
880-70272-12	TH-5 (4')	Total/NA	Solid	5035	
880-70272-13	TH-6 (1')	Total/NA	Solid	5035	
880-70272-14	TH-6 (4')	Total/NA	Solid	5035	
880-70272-15	TH-7 (1')	Total/NA	Solid	5035	
880-70272-16	TH-7 (4')	Total/NA	Solid	5035	
880-70272-17	TH-8 (0-6")	Total/NA	Solid	5035	
880-70272-18	TH-8 (1')	Total/NA	Solid	5035	
880-70272-19	TH-8 (4')	Total/NA	Solid	5035	
880-70272-20	TH-9 (0-6")	Total/NA	Solid	5035	
MB 880-136508/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-136508/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-136508/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70272-1 MS	TH-1 (1')	Total/NA	Solid	5035	
880-70272-1 MSD	TH-1 (1')	Total/NA	Solid	5035	

Prep Batch: 136517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-21	TH-9 (1')	Total/NA	Solid	5035	
880-70272-22	TH-9 (4')	Total/NA	Solid	5035	
MB 880-136517/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-136517/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-136517/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-70251-C-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-70251-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 136630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-1	TH-1 (1')	Total/NA	Solid	8021B	136508
880-70272-2	TH-1 (4')	Total/NA	Solid	8021B	136508
880-70272-3	TH-2 (1')	Total/NA	Solid	8021B	136508
880-70272-4	TH-2 (3')	Total/NA	Solid	8021B	136508
880-70272-5	TH-2 (4')	Total/NA	Solid	8021B	136508
880-70272-6	TH-3 (0-6")	Total/NA	Solid	8021B	136508
880-70272-7	TH-3 (2')	Total/NA	Solid	8021B	136508
880-70272-8	TH-3 (4')	Total/NA	Solid	8021B	136508
880-70272-9	TH-4 (1')	Total/NA	Solid	8021B	136508
880-70272-10	TH-4 (4')	Total/NA	Solid	8021B	136508
880-70272-11	TH-5 (1')	Total/NA	Solid	8021B	136508
880-70272-12	TH-5 (4')	Total/NA	Solid	8021B	136508
880-70272-13	TH-6 (1')	Total/NA	Solid	8021B	136508

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Phillips Lea #8Job ID: 880-70272-1
SDG: Lea Co., NM

GC VOA (Continued)

Analysis Batch: 136630 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-14	TH-6 (4')	Total/NA	Solid	8021B	136508
880-70272-15	TH-7 (1')	Total/NA	Solid	8021B	136508
880-70272-16	TH-7 (4')	Total/NA	Solid	8021B	136508
880-70272-17	TH-8 (0-6")	Total/NA	Solid	8021B	136508
880-70272-18	TH-8 (1')	Total/NA	Solid	8021B	136508
880-70272-19	TH-8 (4')	Total/NA	Solid	8021B	136508
880-70272-20	TH-9 (0-6")	Total/NA	Solid	8021B	136508
MB 880-136508/5-A	Method Blank	Total/NA	Solid	8021B	136508
LCS 880-136508/1-A	Lab Control Sample	Total/NA	Solid	8021B	136508
LCS 880-136508/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	136508
880-70272-1 MS	TH-1 (1')	Total/NA	Solid	8021B	136508
880-70272-1 MSD	TH-1 (1')	Total/NA	Solid	8021B	136508

Analysis Batch: 136640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-21	TH-9 (1')	Total/NA	Solid	8021B	136517
880-70272-22	TH-9 (4')	Total/NA	Solid	8021B	136517
MB 880-136517/5-A	Method Blank	Total/NA	Solid	8021B	136517
LCS 880-136517/1-A	Lab Control Sample	Total/NA	Solid	8021B	136517
LCS 880-136517/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	136517
880-70251-C-1-C MS	Matrix Spike	Total/NA	Solid	8021B	136517
880-70251-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	136517

Analysis Batch: 136770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-1	TH-1 (1')	Total/NA	Solid	Total BTEX	
880-70272-2	TH-1 (4')	Total/NA	Solid	Total BTEX	
880-70272-3	TH-2 (1')	Total/NA	Solid	Total BTEX	
880-70272-4	TH-2 (3')	Total/NA	Solid	Total BTEX	
880-70272-5	TH-2 (4')	Total/NA	Solid	Total BTEX	
880-70272-6	TH-3 (0-6")	Total/NA	Solid	Total BTEX	
880-70272-7	TH-3 (2')	Total/NA	Solid	Total BTEX	
880-70272-8	TH-3 (4')	Total/NA	Solid	Total BTEX	
880-70272-9	TH-4 (1')	Total/NA	Solid	Total BTEX	
880-70272-10	TH-4 (4')	Total/NA	Solid	Total BTEX	
880-70272-11	TH-5 (1')	Total/NA	Solid	Total BTEX	
880-70272-12	TH-5 (4')	Total/NA	Solid	Total BTEX	
880-70272-13	TH-6 (1')	Total/NA	Solid	Total BTEX	
880-70272-14	TH-6 (4')	Total/NA	Solid	Total BTEX	
880-70272-15	TH-7 (1')	Total/NA	Solid	Total BTEX	
880-70272-16	TH-7 (4')	Total/NA	Solid	Total BTEX	
880-70272-17	TH-8 (0-6")	Total/NA	Solid	Total BTEX	
880-70272-18	TH-8 (1')	Total/NA	Solid	Total BTEX	
880-70272-19	TH-8 (4')	Total/NA	Solid	Total BTEX	
880-70272-20	TH-9 (0-6")	Total/NA	Solid	Total BTEX	
880-70272-21	TH-9 (1')	Total/NA	Solid	Total BTEX	
880-70272-22	TH-9 (4')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

GC Semi VOA

Prep Batch: 136357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-1	TH-1 (1')	Total/NA	Solid	8015NM Prep	
880-70272-2	TH-1 (4')	Total/NA	Solid	8015NM Prep	
880-70272-3	TH-2 (1')	Total/NA	Solid	8015NM Prep	
880-70272-4	TH-2 (3')	Total/NA	Solid	8015NM Prep	
880-70272-5	TH-2 (4')	Total/NA	Solid	8015NM Prep	
880-70272-6	TH-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-70272-7	TH-3 (2')	Total/NA	Solid	8015NM Prep	
880-70272-8	TH-3 (4')	Total/NA	Solid	8015NM Prep	
880-70272-9	TH-4 (1')	Total/NA	Solid	8015NM Prep	
MB 880-136357/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-136357/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-136357/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70261-A-55-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-70261-A-55-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 136425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-10	TH-4 (4')	Total/NA	Solid	8015NM Prep	
880-70272-11	TH-5 (1')	Total/NA	Solid	8015NM Prep	
880-70272-12	TH-5 (4')	Total/NA	Solid	8015NM Prep	
880-70272-13	TH-6 (1')	Total/NA	Solid	8015NM Prep	
880-70272-14	TH-6 (4')	Total/NA	Solid	8015NM Prep	
880-70272-15	TH-7 (1')	Total/NA	Solid	8015NM Prep	
880-70272-16	TH-7 (4')	Total/NA	Solid	8015NM Prep	
880-70272-17	TH-8 (0-6")	Total/NA	Solid	8015NM Prep	
880-70272-18	TH-8 (1')	Total/NA	Solid	8015NM Prep	
880-70272-19	TH-8 (4')	Total/NA	Solid	8015NM Prep	
880-70272-20	TH-9 (0-6")	Total/NA	Solid	8015NM Prep	
880-70272-21	TH-9 (1')	Total/NA	Solid	8015NM Prep	
880-70272-22	TH-9 (4')	Total/NA	Solid	8015NM Prep	
MB 880-136425/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-136425/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-136425/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-70272-10 MS	TH-4 (4')	Total/NA	Solid	8015NM Prep	
880-70272-10 MSD	TH-4 (4')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 136765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-10	TH-4 (4')	Total/NA	Solid	8015B NM	136425
880-70272-11	TH-5 (1')	Total/NA	Solid	8015B NM	136425
880-70272-12	TH-5 (4')	Total/NA	Solid	8015B NM	136425
880-70272-13	TH-6 (1')	Total/NA	Solid	8015B NM	136425
880-70272-14	TH-6 (4')	Total/NA	Solid	8015B NM	136425
880-70272-15	TH-7 (1')	Total/NA	Solid	8015B NM	136425
880-70272-16	TH-7 (4')	Total/NA	Solid	8015B NM	136425
880-70272-17	TH-8 (0-6")	Total/NA	Solid	8015B NM	136425
880-70272-18	TH-8 (1')	Total/NA	Solid	8015B NM	136425
880-70272-19	TH-8 (4')	Total/NA	Solid	8015B NM	136425
880-70272-20	TH-9 (0-6")	Total/NA	Solid	8015B NM	136425
880-70272-21	TH-9 (1')	Total/NA	Solid	8015B NM	136425
880-70272-22	TH-9 (4')	Total/NA	Solid	8015B NM	136425

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QC Association Summary

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

GC Semi VOA (Continued)

Analysis Batch: 136765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-136425/1-A	Method Blank	Total/NA	Solid	8015B NM	136425
LCS 880-136425/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	136425
LCS 880-136425/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	136425
880-70272-10 MS	TH-4 (4')	Total/NA	Solid	8015B NM	136425
880-70272-10 MSD	TH-4 (4')	Total/NA	Solid	8015B NM	136425

Analysis Batch: 136936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-1	TH-1 (1')	Total/NA	Solid	8015B NM	136357
880-70272-2	TH-1 (4')	Total/NA	Solid	8015B NM	136357
880-70272-3	TH-2 (1')	Total/NA	Solid	8015B NM	136357
880-70272-4	TH-2 (3')	Total/NA	Solid	8015B NM	136357
880-70272-5	TH-2 (4')	Total/NA	Solid	8015B NM	136357
880-70272-6	TH-3 (0-6")	Total/NA	Solid	8015B NM	136357
880-70272-7	TH-3 (2')	Total/NA	Solid	8015B NM	136357
880-70272-8	TH-3 (4')	Total/NA	Solid	8015B NM	136357
880-70272-9	TH-4 (1')	Total/NA	Solid	8015B NM	136357
MB 880-136357/1-A	Method Blank	Total/NA	Solid	8015B NM	136357
LCS 880-136357/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	136357
LCS 880-136357/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	136357
880-70261-A-55-B MS	Matrix Spike	Total/NA	Solid	8015B NM	136357
880-70261-A-55-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	136357

Analysis Batch: 136945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-1	TH-1 (1')	Total/NA	Solid	8015 NM	
880-70272-2	TH-1 (4')	Total/NA	Solid	8015 NM	
880-70272-3	TH-2 (1')	Total/NA	Solid	8015 NM	
880-70272-4	TH-2 (3')	Total/NA	Solid	8015 NM	
880-70272-5	TH-2 (4')	Total/NA	Solid	8015 NM	
880-70272-6	TH-3 (0-6")	Total/NA	Solid	8015 NM	
880-70272-7	TH-3 (2')	Total/NA	Solid	8015 NM	
880-70272-8	TH-3 (4')	Total/NA	Solid	8015 NM	
880-70272-9	TH-4 (1')	Total/NA	Solid	8015 NM	
880-70272-10	TH-4 (4')	Total/NA	Solid	8015 NM	
880-70272-11	TH-5 (1')	Total/NA	Solid	8015 NM	
880-70272-12	TH-5 (4')	Total/NA	Solid	8015 NM	
880-70272-13	TH-6 (1')	Total/NA	Solid	8015 NM	
880-70272-14	TH-6 (4')	Total/NA	Solid	8015 NM	
880-70272-15	TH-7 (1')	Total/NA	Solid	8015 NM	
880-70272-16	TH-7 (4')	Total/NA	Solid	8015 NM	
880-70272-17	TH-8 (0-6")	Total/NA	Solid	8015 NM	
880-70272-18	TH-8 (1')	Total/NA	Solid	8015 NM	
880-70272-19	TH-8 (4')	Total/NA	Solid	8015 NM	
880-70272-20	TH-9 (0-6")	Total/NA	Solid	8015 NM	
880-70272-21	TH-9 (1')	Total/NA	Solid	8015 NM	
880-70272-22	TH-9 (4')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Crain Environmental
Project/Site: Phillips Lea #8Job ID: 880-70272-1
SDG: Lea Co., NM

HPLC/IC

Leach Batch: 136391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-1	TH-1 (1')	Soluble	Solid	DI Leach	
880-70272-2	TH-1 (4')	Soluble	Solid	DI Leach	
880-70272-3	TH-2 (1')	Soluble	Solid	DI Leach	
880-70272-4	TH-2 (3')	Soluble	Solid	DI Leach	
880-70272-5	TH-2 (4')	Soluble	Solid	DI Leach	
880-70272-6	TH-3 (0-6")	Soluble	Solid	DI Leach	
880-70272-7	TH-3 (2')	Soluble	Solid	DI Leach	
880-70272-8	TH-3 (4')	Soluble	Solid	DI Leach	
880-70272-9	TH-4 (1')	Soluble	Solid	DI Leach	
880-70272-10	TH-4 (4')	Soluble	Solid	DI Leach	
880-70272-11	TH-5 (1')	Soluble	Solid	DI Leach	
880-70272-12	TH-5 (4')	Soluble	Solid	DI Leach	
880-70272-13	TH-6 (1')	Soluble	Solid	DI Leach	
880-70272-14	TH-6 (4')	Soluble	Solid	DI Leach	
880-70272-15	TH-7 (1')	Soluble	Solid	DI Leach	
880-70272-16	TH-7 (4')	Soluble	Solid	DI Leach	
880-70272-17	TH-8 (0-6")	Soluble	Solid	DI Leach	
880-70272-18	TH-8 (1')	Soluble	Solid	DI Leach	
880-70272-19	TH-8 (4')	Soluble	Solid	DI Leach	
MB 880-136391/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-136391/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-136391/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70272-10 MS	TH-4 (4')	Soluble	Solid	DI Leach	
880-70272-10 MSD	TH-4 (4')	Soluble	Solid	DI Leach	

Leach Batch: 136392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-20	TH-9 (0-6")	Soluble	Solid	DI Leach	
880-70272-21	TH-9 (1')	Soluble	Solid	DI Leach	
880-70272-22	TH-9 (4')	Soluble	Solid	DI Leach	
MB 880-136392/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-136392/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-136392/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-70272-20 MS	TH-9 (0-6")	Soluble	Solid	DI Leach	
880-70272-20 MSD	TH-9 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 136544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-1	TH-1 (1')	Soluble	Solid	300.0	136391
880-70272-2	TH-1 (4')	Soluble	Solid	300.0	136391
880-70272-3	TH-2 (1')	Soluble	Solid	300.0	136391
880-70272-4	TH-2 (3')	Soluble	Solid	300.0	136391
880-70272-5	TH-2 (4')	Soluble	Solid	300.0	136391
880-70272-6	TH-3 (0-6")	Soluble	Solid	300.0	136391
880-70272-7	TH-3 (2')	Soluble	Solid	300.0	136391
880-70272-8	TH-3 (4')	Soluble	Solid	300.0	136391
880-70272-9	TH-4 (1')	Soluble	Solid	300.0	136391
880-70272-10	TH-4 (4')	Soluble	Solid	300.0	136391
880-70272-11	TH-5 (1')	Soluble	Solid	300.0	136391
880-70272-12	TH-5 (4')	Soluble	Solid	300.0	136391
880-70272-13	TH-6 (1')	Soluble	Solid	300.0	136391

Eurofins Midland

QC Association Summary

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

HPLC/IC (Continued)

Analysis Batch: 136544 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-14	TH-6 (4')	Soluble	Solid	300.0	136391
880-70272-15	TH-7 (1')	Soluble	Solid	300.0	136391
880-70272-16	TH-7 (4')	Soluble	Solid	300.0	136391
880-70272-17	TH-8 (0-6")	Soluble	Solid	300.0	136391
880-70272-18	TH-8 (1')	Soluble	Solid	300.0	136391
880-70272-19	TH-8 (4')	Soluble	Solid	300.0	136391
MB 880-136391/1-A	Method Blank	Soluble	Solid	300.0	136391
LCS 880-136391/2-A	Lab Control Sample	Soluble	Solid	300.0	136391
LCSD 880-136391/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	136391
880-70272-10 MS	TH-4 (4')	Soluble	Solid	300.0	136391
880-70272-10 MSD	TH-4 (4')	Soluble	Solid	300.0	136391

Analysis Batch: 136545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-70272-20	TH-9 (0-6")	Soluble	Solid	300.0	136392
880-70272-21	TH-9 (1')	Soluble	Solid	300.0	136392
880-70272-22	TH-9 (4')	Soluble	Solid	300.0	136392
MB 880-136392/1-A	Method Blank	Soluble	Solid	300.0	136392
LCS 880-136392/2-A	Lab Control Sample	Soluble	Solid	300.0	136392
LCSD 880-136392/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	136392
880-70272-20 MS	TH-9 (0-6")	Soluble	Solid	300.0	136392
880-70272-20 MSD	TH-9 (0-6")	Soluble	Solid	300.0	136392

Lab Chronicle

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-1 (1')

Lab Sample ID: 880-70272-1

Date Collected: 03/26/26 10:03

Matrix: Solid

Date Received: 03/30/26 14:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 11:54	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 11:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/06/26 16:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 16:47	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 02:43	CS	EET MID

Client Sample ID: TH-1 (4')

Lab Sample ID: 880-70272-2

Date Collected: 03/26/26 10:12

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 12:14	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 12:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/06/26 17:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 17:02	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 08:36	CS	EET MID

Client Sample ID: TH-2 (1')

Lab Sample ID: 880-70272-3

Date Collected: 03/26/26 10:21

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 12:35	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 12:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/06/26 17:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 17:15	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	136544	04/02/26 08:41	CS	EET MID

Client Sample ID: TH-2 (3')

Lab Sample ID: 880-70272-4

Date Collected: 03/26/26 10:27

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 12:55	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 12:55	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-2 (3')

Lab Sample ID: 880-70272-4

Date Collected: 03/26/26 10:27

Matrix: Solid

Date Received: 03/30/26 14:37

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			136945	04/06/26 17:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 17:30	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	136544	04/02/26 08:47	CS	EET MID

Client Sample ID: TH-2 (4')

Lab Sample ID: 880-70272-5

Date Collected: 03/26/26 10:30

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 13:16	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 13:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/06/26 17:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 17:44	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	136544	04/02/26 03:02	CS	EET MID

Client Sample ID: TH-3 (0-6")

Lab Sample ID: 880-70272-6

Date Collected: 03/26/26 10:35

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 13:36	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 13:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/06/26 17:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 17:59	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 03:07	CS	EET MID

Client Sample ID: TH-3 (2')

Lab Sample ID: 880-70272-7

Date Collected: 03/26/26 10:41

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 13:57	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 13:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/06/26 18:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 18:13	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Phillips Lea #8

Job ID: 880-70272-1
SDG: Lea Co., NM

Client Sample ID: TH-3 (2')

Lab Sample ID: 880-70272-7

Date Collected: 03/26/26 10:41

Matrix: Solid

Date Received: 03/30/26 14:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 03:12	CS	EET MID

Client Sample ID: TH-3 (4')

Lab Sample ID: 880-70272-8

Date Collected: 03/26/26 10:48

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 14:17	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 14:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/06/26 18:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 18:28	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 03:18	CS	EET MID

Client Sample ID: TH-4 (1')

Lab Sample ID: 880-70272-9

Date Collected: 03/26/26 10:56

Matrix: Solid

Date Received: 03/30/26 14:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 14:38	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 14:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/06/26 18:42	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	136357	03/31/26 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136936	04/06/26 18:42	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	136544	04/02/26 03:23	CS	EET MID

Client Sample ID: TH-4 (4')

Lab Sample ID: 880-70272-10

Date Collected: 03/26/26 11:06

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 14:58	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 14:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 18:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 18:36	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	136544	04/02/26 03:28	CS	EET MID

Lab Chronicle

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-5 (1')

Lab Sample ID: 880-70272-11

Date Collected: 03/26/26 11:15

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 16:49	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 16:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 19:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 19:21	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 03:44	CS	EET MID

Client Sample ID: TH-5 (4')

Lab Sample ID: 880-70272-12

Date Collected: 03/26/26 11:25

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 17:10	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 17:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 19:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 19:36	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 03:49	CS	EET MID

Client Sample ID: TH-6 (1')

Lab Sample ID: 880-70272-13

Date Collected: 03/26/26 11:33

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 17:30	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 17:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 19:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 19:51	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 04:05	CS	EET MID

Client Sample ID: TH-6 (4')

Lab Sample ID: 880-70272-14

Date Collected: 03/26/26 11:43

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 17:51	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 17:51	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-6 (4')

Lab Sample ID: 880-70272-14

Date Collected: 03/26/26 11:43

Matrix: Solid

Date Received: 03/30/26 14:37

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			136945	04/03/26 20:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 20:07	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 04:10	CS	EET MID

Client Sample ID: TH-7 (1')

Lab Sample ID: 880-70272-15

Date Collected: 03/26/26 11:53

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 18:11	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 18:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 20:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 20:21	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 04:15	CS	EET MID

Client Sample ID: TH-7 (4')

Lab Sample ID: 880-70272-16

Date Collected: 03/26/26 12:04

Matrix: Solid

Date Received: 03/30/26 14:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 18:32	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 18:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 20:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 20:38	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 04:20	CS	EET MID

Client Sample ID: TH-8 (0-6")

Lab Sample ID: 880-70272-17

Date Collected: 03/26/26 12:10

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 18:52	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 18:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 20:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 20:53	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-8 (0-6")

Lab Sample ID: 880-70272-17

Date Collected: 03/26/26 12:10

Matrix: Solid

Date Received: 03/30/26 14:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 04:25	CS	EET MID

Client Sample ID: TH-8 (1')

Lab Sample ID: 880-70272-18

Date Collected: 03/26/26 12:13

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 19:13	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 19:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 21:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 21:08	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 04:31	CS	EET MID

Client Sample ID: TH-8 (4')

Lab Sample ID: 880-70272-19

Date Collected: 03/26/26 12:24

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 19:33	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 19:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 21:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 21:23	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	136391	03/31/26 10:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136544	04/02/26 04:36	CS	EET MID

Client Sample ID: TH-9 (0-6")

Lab Sample ID: 880-70272-20

Date Collected: 03/26/26 12:30

Matrix: Solid

Date Received: 03/30/26 14:37

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	136508	04/01/26 09:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136630	04/02/26 19:54	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 19:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 21:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 21:53	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	136392	03/31/26 10:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136545	04/02/26 20:44	SMC	EET MID

Lab Chronicle

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Client Sample ID: TH-9 (1')

Lab Sample ID: 880-70272-21

Date Collected: 03/26/26 12:33

Matrix: Solid

Date Received: 03/30/26 14:37

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	136517	04/02/26 10:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136640	04/02/26 20:05	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 20:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 22:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 22:08	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	136392	03/31/26 10:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136545	04/02/26 21:00	SMC	EET MID

Client Sample ID: TH-9 (4')

Lab Sample ID: 880-70272-22

Date Collected: 03/26/26 12:45

Matrix: Solid

Date Received: 03/30/26 14:37

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	136517	04/02/26 10:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	136640	04/02/26 20:26	SA	EET MID
Total/NA	Analysis	Total BTEX		1			136770	04/02/26 20:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			136945	04/03/26 22:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	136425	03/31/26 13:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136765	04/03/26 22:23	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	136392	03/31/26 10:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	136545	04/02/26 21:05	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Phillips Lea #8

Job ID: 880-70272-1
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

- 1
- 2
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Method Summary

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

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

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: Crain Environmental
 Project/Site: Phillips Lea #8

Job ID: 880-70272-1
 SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-70272-1	TH-1 (1')	Solid	03/26/26 10:03	03/30/26 14:37	Texas
880-70272-2	TH-1 (4')	Solid	03/26/26 10:12	03/30/26 14:37	Texas
880-70272-3	TH-2 (1')	Solid	03/26/26 10:21	03/30/26 14:37	Texas
880-70272-4	TH-2 (3')	Solid	03/26/26 10:27	03/30/26 14:37	Texas
880-70272-5	TH-2 (4')	Solid	03/26/26 10:30	03/30/26 14:37	Texas
880-70272-6	TH-3 (0-6")	Solid	03/26/26 10:35	03/30/26 14:37	Texas
880-70272-7	TH-3 (2')	Solid	03/26/26 10:41	03/30/26 14:37	Texas
880-70272-8	TH-3 (4')	Solid	03/26/26 10:48	03/30/26 14:37	Texas
880-70272-9	TH-4 (1')	Solid	03/26/26 10:56	03/30/26 14:37	Texas
880-70272-10	TH-4 (4')	Solid	03/26/26 11:06	03/30/26 14:37	Texas
880-70272-11	TH-5 (1')	Solid	03/26/26 11:15	03/30/26 14:37	Texas
880-70272-12	TH-5 (4')	Solid	03/26/26 11:25	03/30/26 14:37	Texas
880-70272-13	TH-6 (1')	Solid	03/26/26 11:33	03/30/26 14:37	Texas
880-70272-14	TH-6 (4')	Solid	03/26/26 11:43	03/30/26 14:37	Texas
880-70272-15	TH-7 (1')	Solid	03/26/26 11:53	03/30/26 14:37	Texas
880-70272-16	TH-7 (4')	Solid	03/26/26 12:04	03/30/26 14:37	Texas
880-70272-17	TH-8 (0-6")	Solid	03/26/26 12:10	03/30/26 14:37	Texas
880-70272-18	TH-8 (1')	Solid	03/26/26 12:13	03/30/26 14:37	Texas
880-70272-19	TH-8 (4')	Solid	03/26/26 12:24	03/30/26 14:37	Texas
880-70272-20	TH-9 (0-6")	Solid	03/26/26 12:30	03/30/26 14:37	Texas
880-70272-21	TH-9 (1')	Solid	03/26/26 12:33	03/30/26 14:37	Texas
880-70272-22	TH-9 (4')	Solid	03/26/26 12:45	03/30/26 14:37	Texas

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Chain of Custody

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

Environment Testing
 Xenco



Work Order No: _____

Page 2 of 3

www.xenco.com

Work Order Comments

Program: US/PST PRP Downfields RR S Surfund

State of Project: **NM**

Reporting: Level II Level III PST/UST RRP Level IV

Deliverables: EDD ADaPT Other: _____

Project Manager: Cindy Crain
Company Name: Crain Environmental
Address: 2925 East 17th Street
City, State ZIP: Odessa, TX 79761
Phone: (575) 441-7244

Bill to: (if different) Nicole Cornwell
Company Name: BXP
Address: 11757 Katy Fwy., Ste 475
City, State ZIP: Houston, TX 77079
Email: cindy.crain@gmail.com

Project Name: Phillips Lea #8
Project Number: NA
Project Location: Lea Co., NM
Sampler's Name: Cindy Crain
PO #: NA

SAMPLE RECEIPT

Samples Received Intact: Yes No Thermometer ID: _____
 Cooler Custody Seals: Yes No N/A Correction Factor: _____
 Sample Custody Seals: Yes No N/A Temperature Reading: _____
 Total Containers: _____ Corrected Temperature: _____

Turn Around
 Routine Rush
Due Date: _____
 TAT starts the day received by the lab, if received by 4:30pm

Parameters

Temp Blank: Yes No Wet Ice: Yes No

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	ANALYSIS REQUEST											Preservative Codes	Sample Comments									
						Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Cu	Co			Fe	Pb	Mg	Mn	Mo	Ni	Se	Ag	Tl
TH-5 (1')	S	3/26/2026	1115	1'	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP	
TH-5 (4')	S	3/26/2026	1125	4'	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TH-6 (1')	S	3/26/2026	1133	1'	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TH-6 (4')	S	3/26/2026	1143	4'	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TH-7 (1')	S	3/26/2026	1153	1'	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TH-7 (4')	S	3/26/2026	1204	4'	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TH-8 (0-6")	S	3/26/2026	1210	0-6"	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TH-8 (1')	S	3/26/2026	1213	1'	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TH-8 (4')	S	3/26/2026	1224	4'	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
TH-9 (0-6")	S	3/26/2026	1230	0-6"	G	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

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

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Cindy Crain</i>	<i>Nicole Cornwell</i>	3/26/2026 14:37			



Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-70272-1

SDG Number: Lea Co., NM

Login Number: 70272

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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

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Appendix E - Photographic Documentation

APPENDIX E
PHOTOGRAPHIC DOCUMENTATION
PHILLIPS LEA #008 - MARCH 26, 2026



View of well sign.



View to N of TH-1 installation.



View to W of TH-1.



View to W of TH-2.



View to N of TH-3.



View to W of TH-4.



APPENDIX E
PHOTOGRAPHIC DOCUMENTATION
PHILLIPS LEA #008 - MARCH 26, 2026



View to N of TH-7.



View to NW of TH-8.



View to NW of TH-9.

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 582942

QUESTIONS

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 582942
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL0832651888
Incident Name	NGRL0832651888 PHILLIPS LEA #008 @ 30-025-23582
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-23582] PHILLIPS LEA #008

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	PHILLIPS LEA #008
Date Release Discovered	11/17/2008
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Fitting Crude Oil Released: 35 BBL Recovered: 25 BBL Lost: 10 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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 582942

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 582942
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<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: 05/07/2026
--	---

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

General Information
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 3

Action 582942

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 582942
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1/2 and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 500 and 1000 (ft.)
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)	3050
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	16.5
GRO+DRO (EPA SW-846 Method 8015M)	16.5
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	06/15/2026
On what date will (or did) the final sampling or liner inspection occur	07/13/2026
On what date will (or was) the remediation complete(d)	08/31/2026
What is the estimated surface area (in square feet) that will be reclaimed	57609
What is the estimated volume (in cubic yards) that will be reclaimed	855
What is the estimated surface area (in square feet) that will be remediated	57609
What is the estimated volume (in cubic yards) that will be remediated	855

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>

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

QUESTIONS, Page 4

Action 582942

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 582942
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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: 05/07/2026
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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.

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Action 582942

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 582942
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 582942

QUESTIONS (continued)

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 582942
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	565506
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/26/2026
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	17000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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**State of New Mexico
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Santa Fe, NM 87505**

CONDITIONS

Action 582942

CONDITIONS

Operator: BXP Operating, LLC 11757 KATY FREEWAY HOUSTON, TX 77079	OGRID: 329487
	Action Number: 582942
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following conditions:	6/1/2026
scwells	1) As this is a historic crude oil release and there is no evidence that any remediation occurred, a borehole to 10' depth must be drilled as close as possible to what is believed to be the area of concern. Samples will need to be collected beginning at surface, then 1', 2', 3', etc. down to a terminal depth of 10'. Samples will need to be collected at each discrete depth and submitted to a laboratory to be tested for all Table I constituents. The proposed borehole location must be emailed and approved by the reviewer prior to sample collection.	6/1/2026
scwells	2) TH-2, TH-4 and TH-6 are required to be vertically delineated.	6/1/2026
scwells	3) OCD requires that any base or wall that is exposed during excavation, even due to benching and sloping, have samples collected pursuant to 19.15.29 NMAC. Ensure sidewall samples are collected between varying depths of excavation and clearly show these on the Figures in your closure report.	6/1/2026
scwells	4) OCD will not approve a 180 day remediation schedule. Submit a complete and accurate report to OCD by 8/31/26.	6/1/2026