January 15, 2026

New Mexico Oil Conservation Division
506 W. Texas Ave
Artesia, NM 88210

RE: **East Loop 20" HP - Closure Request Report**
Incident Number: nAPP2528933921
GPS: 32.086121°, -103.622019°
Lea County, New Mexico
ESRR Project No. VP-7576

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Marathon Petroleum (MPLX), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling events associated with an inadvertent release of produced water at the East Loop 20" HP (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, MPLX is requesting No Further Action (NFA) at the Site.

Site Location & Incident Description

The Site is located in Unit I, Section 36, Township 25 South, Range 32 East, in Lea County, New Mexico (32.086121°, -103.622019°) and associated with oil and gas exploration and production operations on State Land managed by the New Mexico State Land Office (NMSLO) (**Figure 1**).

On October 14, 2025, a line strike occurred during drilling of a horizontal boring for a MPLX subsurface pipeline, causing the release of approximately 1,200 barrels (bbls) of produced water from a Pilot Water Solutions (Pilot) pipeline and onto adjacent pipeline right-of-ways (ROW). The MPLX third-party contractor began horizontal drilling in "*Bore Pit A*" and struck the line mid-way to "*Bore Pit B*". Fluids breached the surface at the "*Point of Release*" as well as returned upgradient through the horizontal boring and into "*Bore Pit A*" (**Figure 2**). A vacuum truck was immediately dispatched to the Site and recovered 586 bbls of fluids. MPLX gave notice to the New Mexico Oil Conservation Division (NMOCD) on October 16, 2025, by Notification of Release (NOR) and was subsequently assigned Incident Number nAPP2528933921.

ESRR was retained on October 16, 2025, and conducted initial site assessment activities by mapping the observed release footprint on October 17, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). MPLX submitted a Corrective Action Form C-141 (Form C-141) on October 20, 2025. During early November of 2025, MPLX obtained a Right-of-Entry permit from the New Mexico State Land Office (NMSLO), to allow the use of mechanical equipment in areas previously disturbed but outside of MPLX's easement (R-42778, RE-7762).

ESRR, on behalf of MPLX, requested an extension of the January 12, 2026 deadline, to allow additional time to finalize this CRR. MPLX was granted a 30-day extension by the NMOCD for February 11, 2026.

Site Characterization

ESRR characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). The following proximities were estimated:

- Between 1,000 feet and ½ mile of any continuously flowing watercourse or any other significant watercourse;
- Between 1,000 feet and ½ mile of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- Between 1 and 5 miles of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Between 1 and 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 1,000 feet and ½ mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- Between 1,000 feet and ½ mile of an unstable area (non-karst); and
- Greater than 5 miles of a 100-year floodplain.

Receptor details used to determine the Site characterization are included in **Figure 1A** and **Figure 1B** and the **Referenced Well Record** is attached.

Based on the results from the desktop review, the Site is designated with medium karst potential with no depth to water well within ½ mile with logged data no greater than 25 years. The following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria‡
Chloride	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	100 mg/kg
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	50 mg/kg

‡*The reclamation concentration requirements of 600 mg/kg Chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.*
TPH= Gasoline Range Organics (GRO) + Diesel Range Organics (DRO)+ Oil Range Organics (ORO)
Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Delineation Activities

On November 18, 2025, ESRR conducted delineation activities to assess the presence or absence of soil impacts associated with the AOC. Twenty-seven delineation boreholes (HA-1 through HA-27) were advanced via hand auger and/or mechanical equipment within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. A minimum of one soil sample was collected from each delineation borehole, representing the highest observed field screening concentrations and/or the greatest depth. Delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities are attached.

Laboratory analytical results for delineation soil samples (HA-1, and HA-9 through HA-27) within and surrounding the AOC were compliant with Site Closure Criteria and/or the reclamation standard defining the horizontal periphery of the AOC.

Laboratory analytical results for delineation soil samples collected within the AOC (HA-2 through HA-8) indicated Chloride was above the Site Closure Criteria and/or the reclamation standard. Elevated Chloride is characterized by concentrations ranging from 653 to 8,750mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.

Remediation Activities

During December of 2025, ESRR oversaw a MPLX third-party contractor perform excavation activities of identified impacts via mechanical equipment based on previous laboratory analytical results and visual observations. Excavation activities were driven by field screening soil for chloride as previously described. The excavation was vertically advanced to depths ranging from 2 to 25-feet below ground surface (bgs).

Initial excavation activities began from the southernmost portion of the AOC and up to the "Point of Release". Following initial excavation activities, ESRR collected 5-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-37) and sidewalls (SW-1 through SW-21) (**Figure 4**). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon resealable plastic bag and were handled, transported, and analyzed as previously described.

Following initial excavation activities, the third-party contractor immediately began remediation of the "*Horizontal Boring*" and "*Bore Pit A*" (**Figure 4A**). Upon completion, ESRR collected, handled, transported, and analyzed samples (CS-38 through CS-45 and SW-22 through SW-51) as previously described.

Laboratory analytical results indicated that concentrations of COCs for all final confirmation soil samples were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all final confirmation soil samples are shown in (**Figure 4, 4A** and **4B**).

Approximately 2,952 cubic yards (CY) of impacted soil were removed from the Site and transported to Northern Delaware Basin Disposal in Jal, New Mexico under MPLX approved manifests. Upon receipt of the final confirmation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible.

The final soil cover was contoured to match the Site's pre-existing grade to prevent ponding of water and erosion. Upon completion of the MPLX pipeline ROW, the third-party contractor will apply an approved NMSLO seed mix over the entire disturbed area followed by back-dragging. Following seeding activities, nitrogen fertilizer and water will be applied to the entire area to promote maximum results of vegetation regrowth.

Closure Request

Based on laboratory analytical results for all final confirmation soil samples, MPLX believes that soil impacts associated with the inadvertent release have been excavated and removed from the Site in accordance with Site Closure Criteria. MPLX believes the completed remedial actions meet the requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment, and groundwater. As such, NFA appears warranted at this time, and MPLX respectfully requests Closure of this CRR associated with Incident Number nAPP2528933921.

If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or gmoreno@earthsys.net. **Documentation and correspondence notifications** and **Executed chain-of-custody forms and laboratory analytical reports** are attached.

Sincerely,
EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

Kris Williams, CHMM, REM
Principal

cc: Tanner Jason, Marathon Petroleum (MPLX)
New Mexico State Land Office

Attachments:
Figure 1 - Site Map
Figure 1A - Groundwater
Figure 1B - Karst Potential
Figure 2 - Area of Concern
Figure 3 - Delineation Soil Sample Locations
Figure 4 - Excavation Soil Sample Locations
Figure 4A - Excavation Soil Sample Locations
Figure 4B - Excavation Soil Sample Locations
Table 1 - Soil Sample Analytical Results
Photographic Documentation
Referenced Well Record
NMOCD Email Documentation & Correspondence
Executed Chain-of-Custody Forms and Laboratory Analytical Reports

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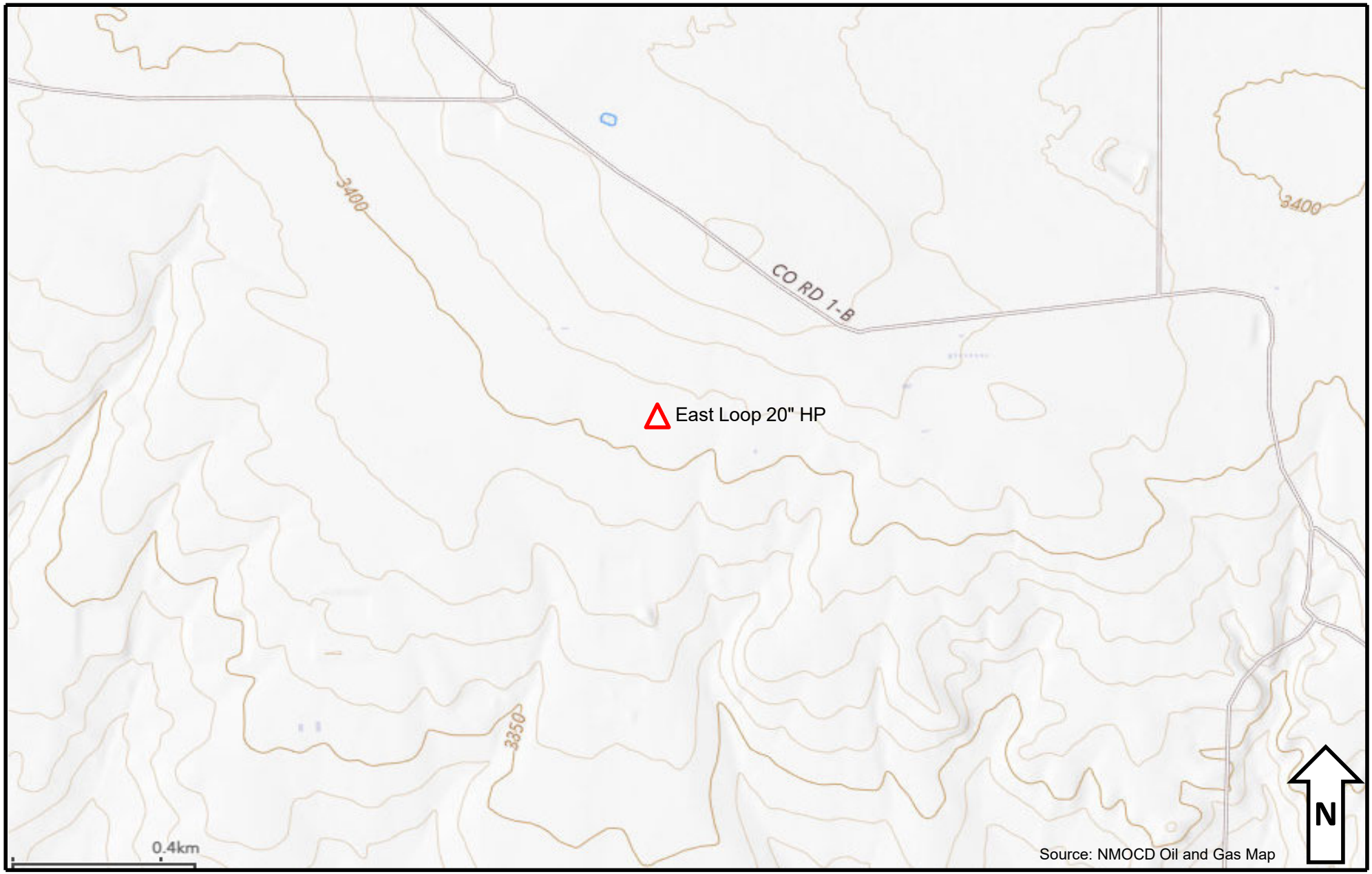

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Figure 1 – Site Map

MPLX - East Loop 20" HP
GPS: 32.086111°,-103.621111°
Lea County, New Mexico

MPLX

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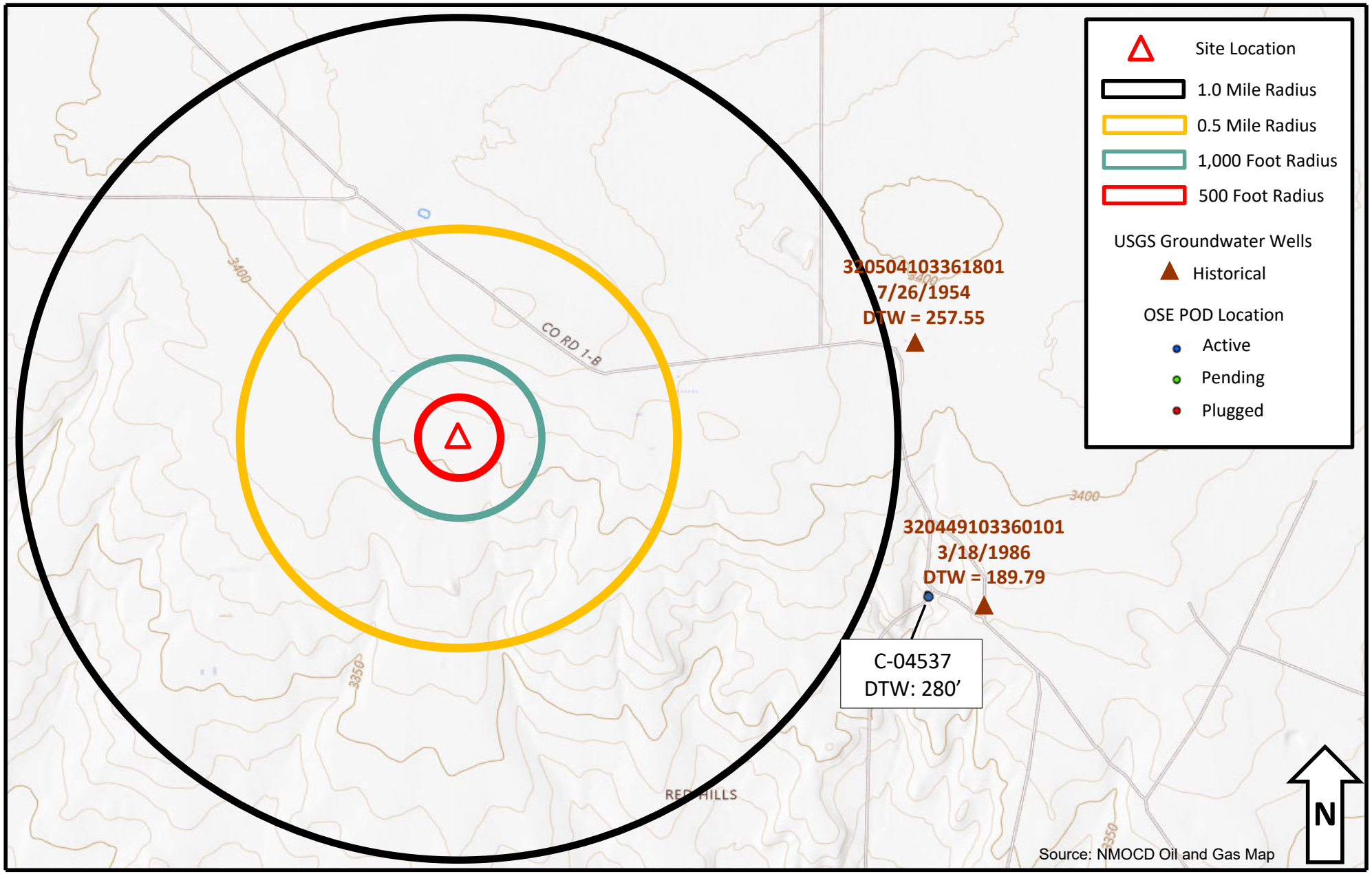

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Figure 1A – Ground Water

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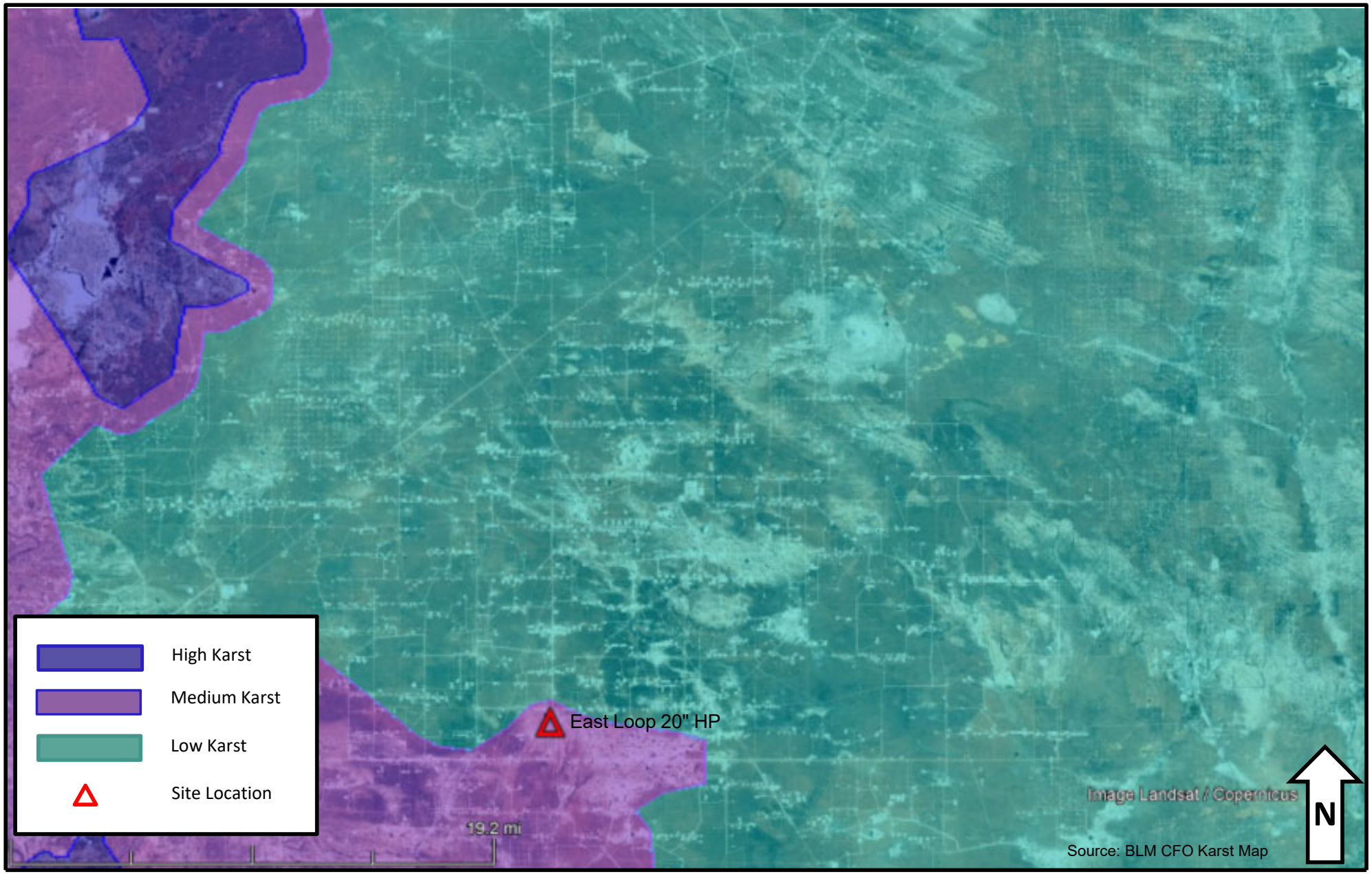

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Figure 1B – Karst Potential

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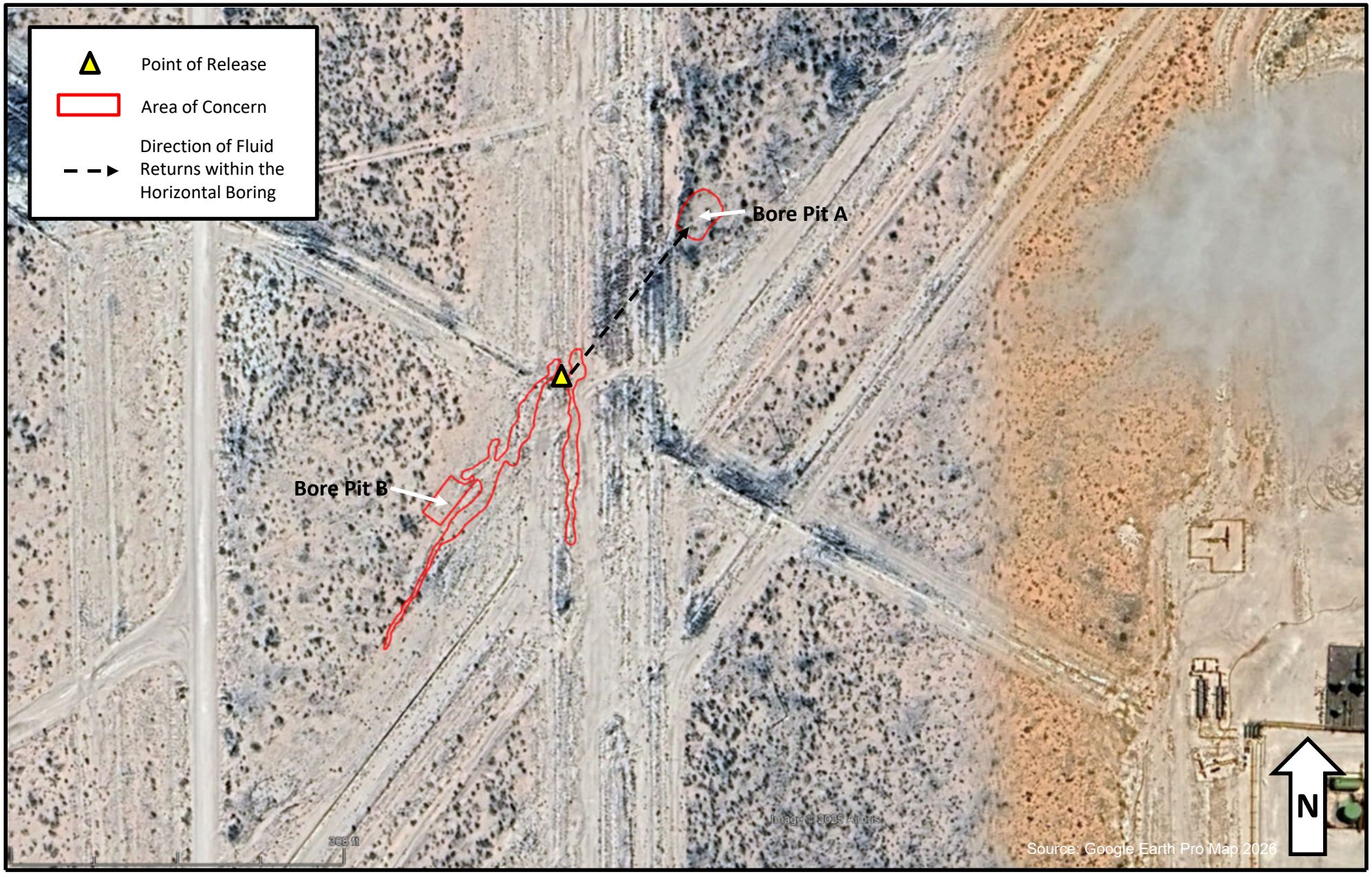

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Figure 2 – Area of Concern

MPLX - East Loop 20" HP
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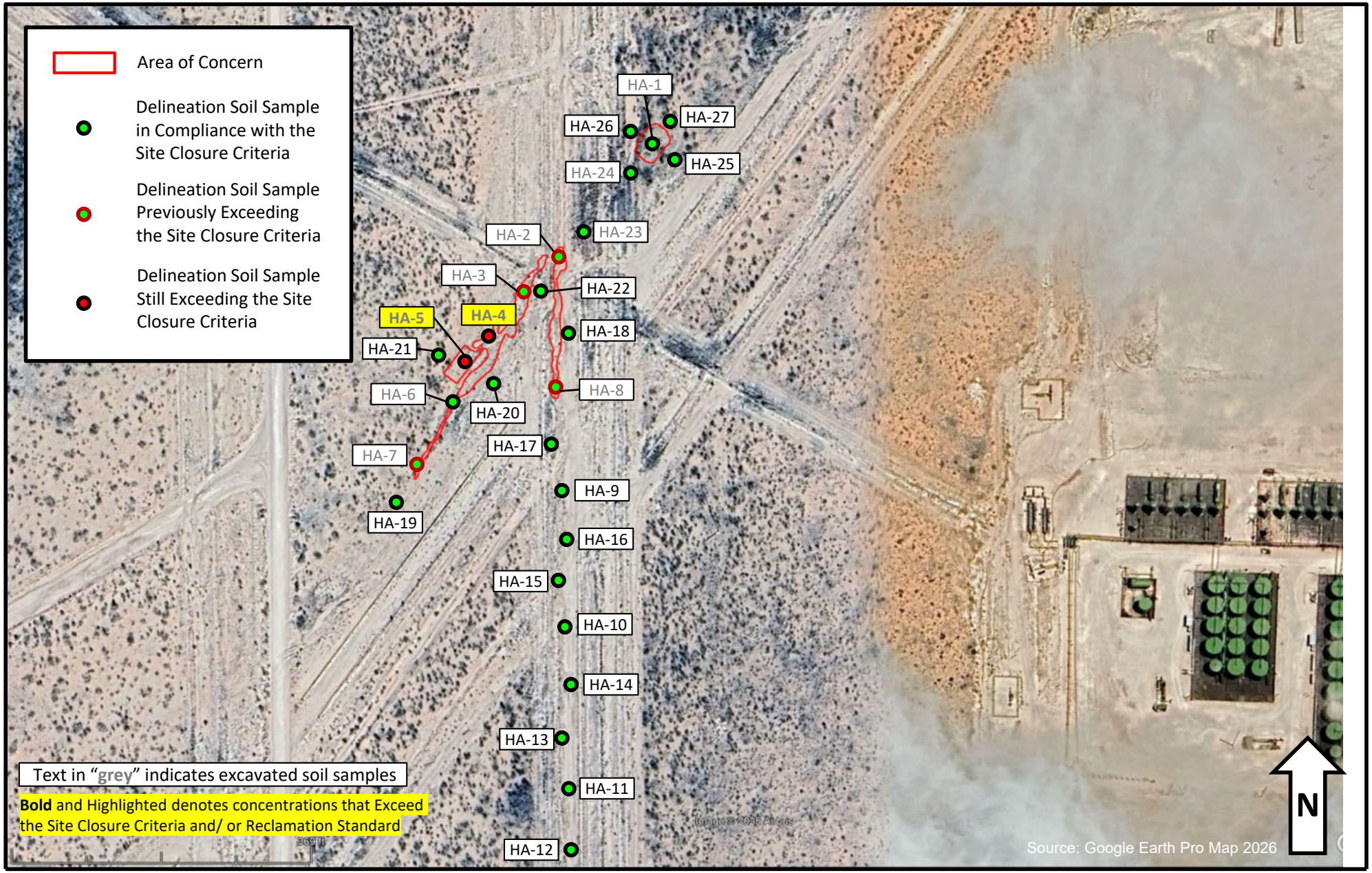

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Figure 3 – Delineation Soil Sample Locations

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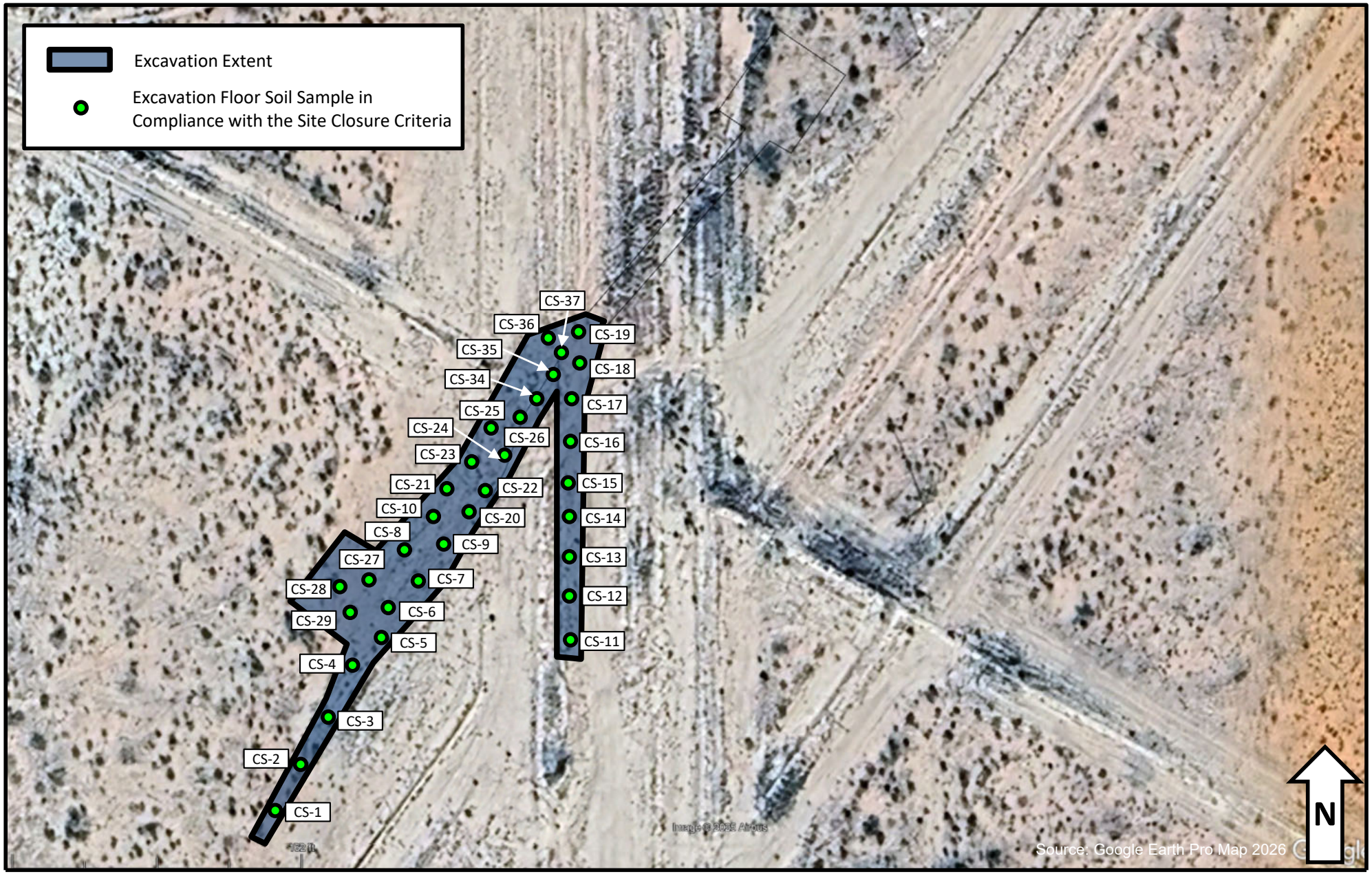

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Figure 4 – Excavation Soil Sample Locations

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Figure 4A – Excavation Soil Sample Locations

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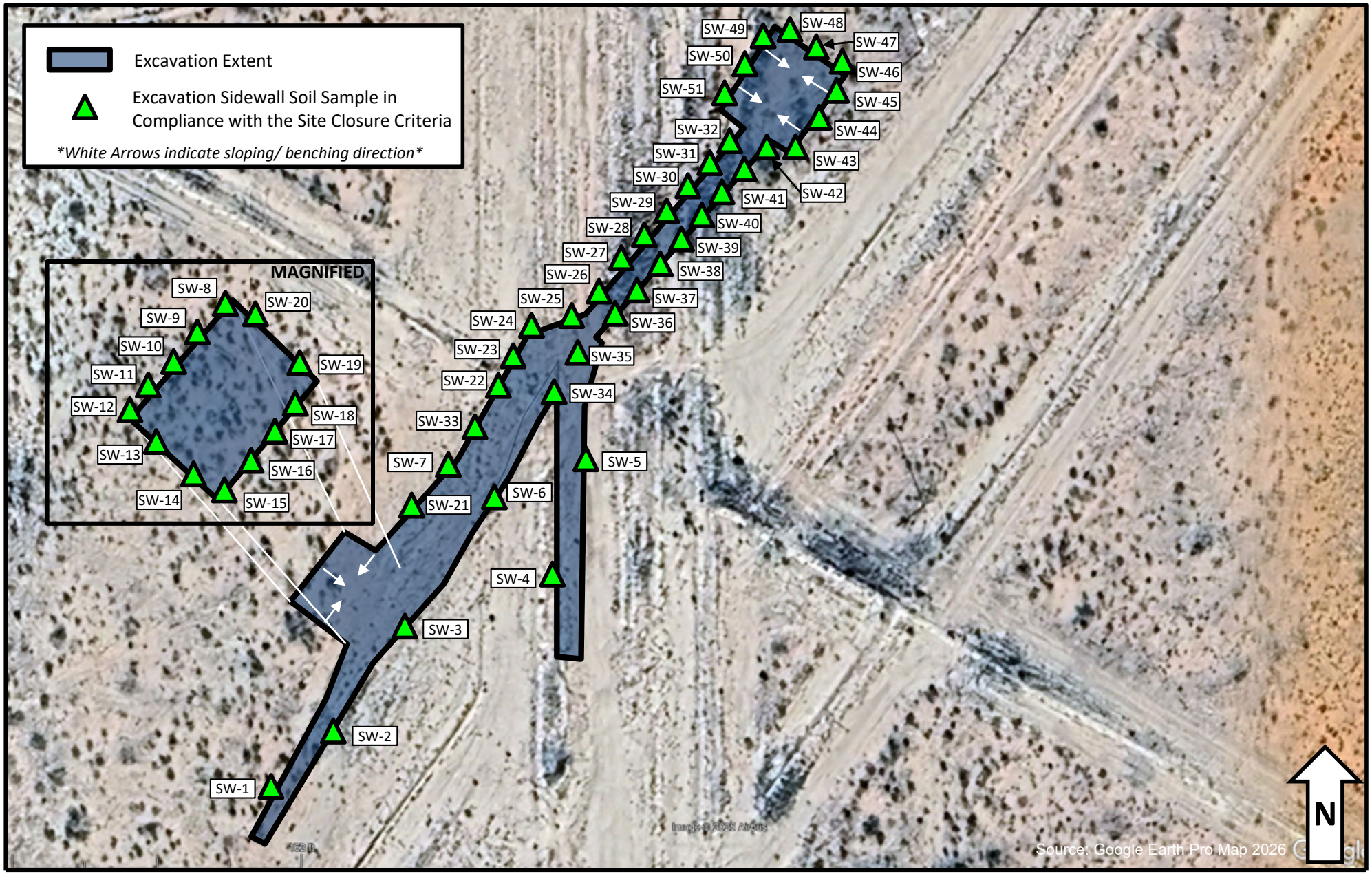

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Figure 4B – Excavation Soil Sample Locations

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
East Loop 20" HP
Lea County, New Mexico

MPLX

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - nAPP2528933921									
HA - 1	11/18/25	14	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	465
HA - 1	11/18/25	16	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	396
HA - 2	11/18/25	0.5	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	8,750
HA - 2	11/18/25	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	668
HA - 2	11/18/25	2	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	38.7
HA - 3	11/18/25	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	70.2
HA - 3	11/18/25	1	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	4,110
HA - 3	11/18/25	2	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	2,850
HA - 3	11/18/25	4	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	4,070
HA - 3	11/18/25	6	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	71.5
HA - 4	11/18/25	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	1,460
HA - 4	11/18/25	1	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	2,940
HA - 4	11/18/25	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	401
HA - 4	11/18/25	4	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	4,350
HA - 5	11/18/25	14	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	4,770
HA - 5	11/18/25	18	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	3,840
HA - 5	11/18/25	20	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	3,620
HA - 6	11/18/25	0.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	45.1
HA - 6	11/18/25	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	409
HA - 7	11/18/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	3,290
HA - 7	11/18/25	1	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	4,190
HA - 7	11/18/25	2	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	156
HA - 8	11/18/25	0.5	<0.00202	<0.00403	<50.1	<50.1	66.2	66.2	5,320
HA - 8	11/18/25	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	653
HA - 8	11/18/25	2	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	370

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
East Loop 20" HP
Lea County, New Mexico

MPLX

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - nAPP2528933921									
HA - 9	11/18/25	0.5	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	16.4
HA - 10	11/18/25	0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<9.96
HA - 11	11/18/25	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<9.92
HA - 12	11/18/25	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<9.98
HA - 13	11/18/25	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<9.96
HA - 14	11/18/25	0.5	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<9.94
HA - 15	11/18/25	0.5	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	10.2
HA - 16	11/18/25	0.5	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<0.0998
HA - 17	11/18/25	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	11.9
HA - 18	11/18/25	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	95.1
HA - 19	11/18/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	16.3
HA - 20	11/18/25	0.5	<0.00200	<0.00400	<50.5	<50.5	<50.5	<50.5	17.3
HA - 20	11/18/25	1	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	22.1
HA - 21	11/18/25	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<9.92
HA - 21	11/18/25	1	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	11.9
HA - 22	11/18/25	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	23.1
HA - 22	11/18/25	1	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	28.6
HA - 23	11/18/25	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<10.0
HA - 23	11/18/25	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<9.96
HA - 24	11/18/25	0.5	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<9.96
HA - 24	11/18/25	1	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	<9.98
HA - 25	11/18/25	0.5	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	10.6
HA - 25	11/18/25	1	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7	<10.1
HA - 26	11/18/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<9.94
HA - 26	11/18/25	1	<0.00200	<0.00400	<50.3	<50.3	<50.3	<50.3	<9.92
HA - 27	11/18/25	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<9.98
HA - 27	11/18/25	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<9.96

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Table 1
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East Loop 20" HP
Lea County, New Mexico

MPLX

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2528933921									
CS - 1	12/08/25	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	183
CS - 2	12/08/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	37.8
CS - 3	12/08/25	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	58.7
CS - 4	12/08/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	14.8
CS - 5	12/08/25	4	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	149
CS - 6	12/08/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	63.9
CS - 7	12/08/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	10.4
CS - 8	12/08/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<9.98
CS - 9	12/08/25	6	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	23.5
CS - 10	12/08/25	6	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<9.94
CS - 11	12/10/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	135
CS - 12	12/10/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	145
CS - 13	12/10/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	61.0
CS - 14	12/10/25	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	55.4
CS - 15	12/10/25	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	32.8
CS - 16	12/10/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	13.8
CS - 17	12/10/25	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	11.7
CS - 18	12/10/25	2	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	66.6
CS - 19	12/10/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	37.3
CS - 20	12/12/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<10.0
CS - 21	12/12/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<10.1
CS - 22	12/12/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	44.1
CS - 23	12/12/25	4	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	152
CS - 24	12/12/25	6	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	98.8
CS - 25	12/12/25	6	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<9.98
CS - 26	12/12/25	6	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	223
CS - 27	12/12/25	25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	242
CS - 28	12/12/25	25	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	259

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Earth Systems Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
East Loop 20" HP
Lea County, New Mexico

MPLX

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2528933921									
CS - 29	12/12/25	25	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	237
CS - 30	12/12/25	18	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	170
CS - 31	12/12/25	18	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	174
CS - 32	12/12/25	16	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	90.9
CS - 33	12/12/25	16	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	89.1
CS - 34	12/12/25	6	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<10.1
CS - 35	12/12/25	6	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<10.1
CS - 36	12/12/25	6	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	207
CS - 37	12/12/25	6	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	217
CS - 38	12/17/25	12	<0.00106	<0.00213	<50.0	<50.0	<50.0	<50.0	173
CS - 39	12/17/25	12	<0.00112	<0.00225	<49.8	<49.8	<49.8	<49.8	64.5
CS - 40	12/17/25	12	<0.000851	<0.00170	<50.0	<50.0	<50.0	<50.0	46.2
CS - 41	12/17/25	12	<0.00133	<0.00265	<50.1	<50.1	<50.1	<50.1	48.9
CS - 42	12/17/25	12	<0.00128	<0.00255	<50.0	<50.0	<50.0	<50.0	64.3
CS - 43	12/17/25	12	<0.00107	<0.00214	<50.0	<50.0	<50.0	<50.0	58.8
CS - 44	12/17/25	14	<0.00102	<0.00204	<50.0	<50.0	<50.0	<50.0	44.9
CS - 45	12/17/25	14	<0.00109	<0.00219	<49.9	<49.9	<49.9	<49.9	46.3
SW - 1	12/08/25	0-2	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	13.8
SW - 2	12/08/25	0-2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	28.3
SW - 3	12/08/25	0-4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	29.9
SW - 4	12/10/25	0-2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	47.4
SW - 5	12/10/25	0-2	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	10.6
SW - 6	12/12/25	0-4	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	57.4
SW - 7	12/12/25	0-6	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	150
SW - 8	12/12/25	0-25	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	296
SW - 9	12/12/25	0-25	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	306
SW - 10	12/12/25	0-25	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	305
SW - 11	12/12/25	0-25	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	395

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Earth Systems Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
East Loop 20" HP
Lea County, New Mexico

MPLX

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2528933921									
SW - 12	12/12/25	0-25	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	353
SW - 13	12/12/25	0-25	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	348
SW - 14	12/12/25	0-25	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	402
SW - 15	12/12/25	0-25	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	390
SW - 16	12/12/25	0-25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	472
SW - 17	12/12/25	0-25	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	464
SW - 18	12/12/25	0-25	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	435
SW - 19	12/12/25	0-25	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	464
SW - 20	12/12/25	0-25	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	425
SW - 21	12/12/25	0-25	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	419
SW - 22	12/17/25	0-18	<0.00108	<0.00215	<49.9	<49.9	<49.9	<49.9	256
SW - 23	12/17/25	0-12	<0.00123	<0.00246	<50.0	<50.0	<50.0	<50.0	20.0
SW - 24	12/17/25	0-12	<0.00114	<0.00229	<50.0	<50.0	<50.0	<50.0	<20.0
SW - 25	12/17/25	0-12	<0.00135	<0.00270	<49.8	<49.8	<49.8	<49.8	73.6
SW - 26	12/17/25	0-12	<0.00106	<0.00213	<49.9	<49.9	<49.9	<49.9	55.7
SW - 27	12/17/25	0-12	<0.00112	<0.00225	<50.0	<50.0	<50.0	<50.0	<19.8
SW - 28	12/17/25	0-12	<0.000851	<0.00170	<49.9	<49.9	<49.9	<49.9	55.8
SW - 29	12/17/25	0-12	<0.00133	<0.00265	<50.0	<50.0	<50.0	<50.0	56.3
SW - 30	12/17/25	0-12	<0.00128	<0.00255	<49.9	<49.9	<49.9	<49.9	<20.0
SW - 31	12/17/25	0-12	<0.00107	<0.00214	<50.0	<50.0	<50.0	<50.0	51.9
SW - 32	12/17/25	0-12	<0.00102	<0.00204	<49.8	<49.8	<49.8	<49.8	65.0
SW - 33	12/17/25	0-12	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	120
SW - 34	12/17/25	0-18	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	99.9
SW - 35	12/17/25	0-12	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<19.9
SW - 36	12/17/25	0-12	0.00408	0.0137	<50.0	<50.0	<50.0	<50.0	<19.9
SW - 37	12/17/25	0-12	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	64.9
SW - 38	12/17/25	0-12	0.00203	<0.00402	<49.9	<49.9	<49.9	<49.9	63.7
SW - 39	12/17/25	0-12	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	48.2

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Earth Systems Response & Restoration

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SOIL SAMPLE ANALYTICAL RESULTS
East Loop 20" HP
Lea County, New Mexico

MPLX

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2528933921									
SW - 40	12/17/25	0-12	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	72.3
SW - 41	12/17/25	0-12	0.00203	<0.00400	<50.0	<50.0	<50.0	<50.0	<20.1
SW - 42	12/17/25	0-12	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<19.8
SW - 43	12/17/25	0-12	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<19.9
SW - 44	12/17/25	0-12	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<20.2
SW - 45	12/17/25	0-12	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	48.1
SW - 46	12/17/25	0-12	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	41.5
SW - 47	12/17/25	0-14	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	43.9
SW - 48	12/17/25	0-14	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	41.5
SW - 49	12/17/25	0-14	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	46.5
SW - 50	12/17/25	0-14	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	40.8
SW - 51	12/17/25	0-14	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	44.3

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics

NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
Concentrations in **bold and highlighted** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard‡ for Soils Impacted by a Release
‡The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of

PHOTO 1: Southeastern view during initial site assessment by the third-party contractor. 10/14/2025

PHOTO 2: Southeastern view during initial site assessment by the third-party contractor. 10/14/2025

PHOTO 3: Northern aerial view during site assessment activities. 10/17/2025

PHOTO 4: Northern aerial view during site assessment activities. 10/17/2025

PHOTO 5: Northeastern view during site assessment activities. 10/17/2025

PHOTO 6: Northeastern view during site assessment activities. 10/17/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

Earth Systems
Response & Restoration

PHOTO 7: Northeastern view during site assessment activities. 10/17/2025

PHOTO 8: Northeastern view during site assessment activities. 10/17/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

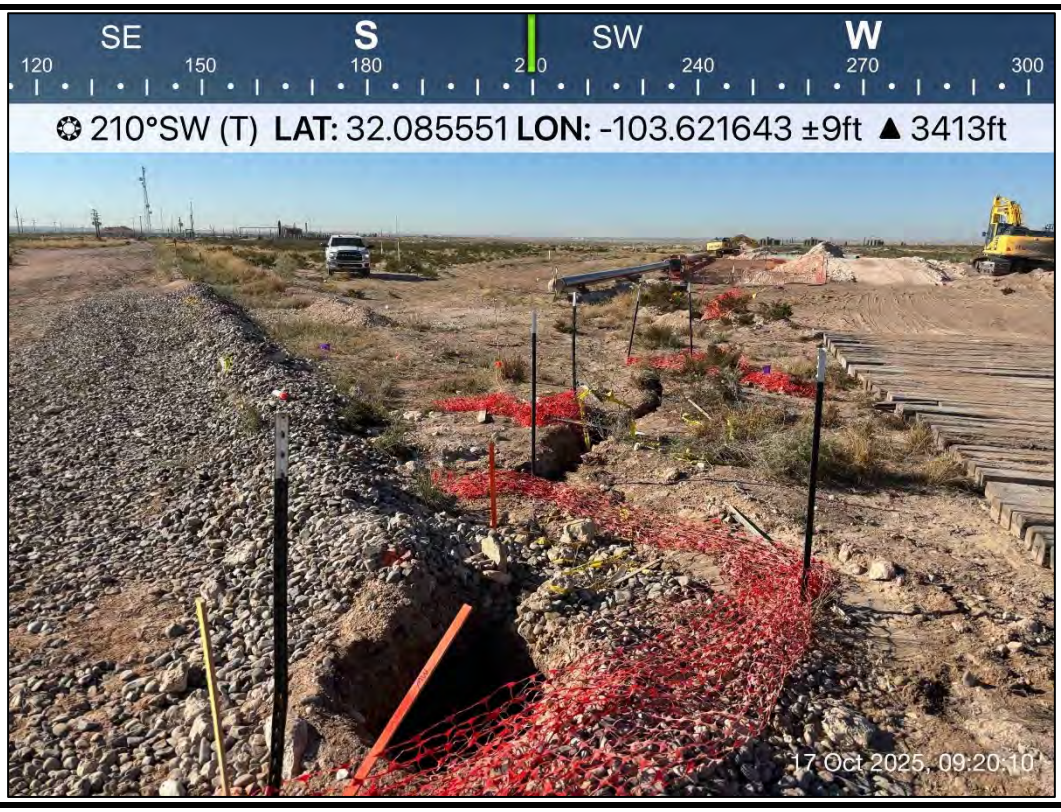


PHOTO 9: Southwestern view during site assessment activities. 10/17/2025

PHOTO 10: Southwestern view during site assessment activities. 10/17/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

Earth Systems
Response & Restoration

PHOTO 11: Northeastern view during delineation activities. 11/18/2025

PHOTO 12: Northeastern view during delineation activities. 11/18/2025

PHOTO 13: Northeastern view during delineation activities. 11/18/2025

PHOTO 14: Northeastern view during delineation activities. 11/18/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

Earth Systems
Response & Restoration

PHOTO 15: Southeastern view during delineation activities. 11/18/2025

PHOTO 16: Southeastern view during delineation activities. 11/18/2025

PHOTO 17: Southeastern view during delineation activities. 11/18/2025

PHOTO 18: Northeastern view during delineation activities. 11/18/2025

PHOTO 19: Southeastern view during delineation activities. 11/18/2025

PHOTO 20: Southwestern view during excavation activities. 12/08/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

PHOTO 21: Northeastern view during excavation activities. 12/08/2025

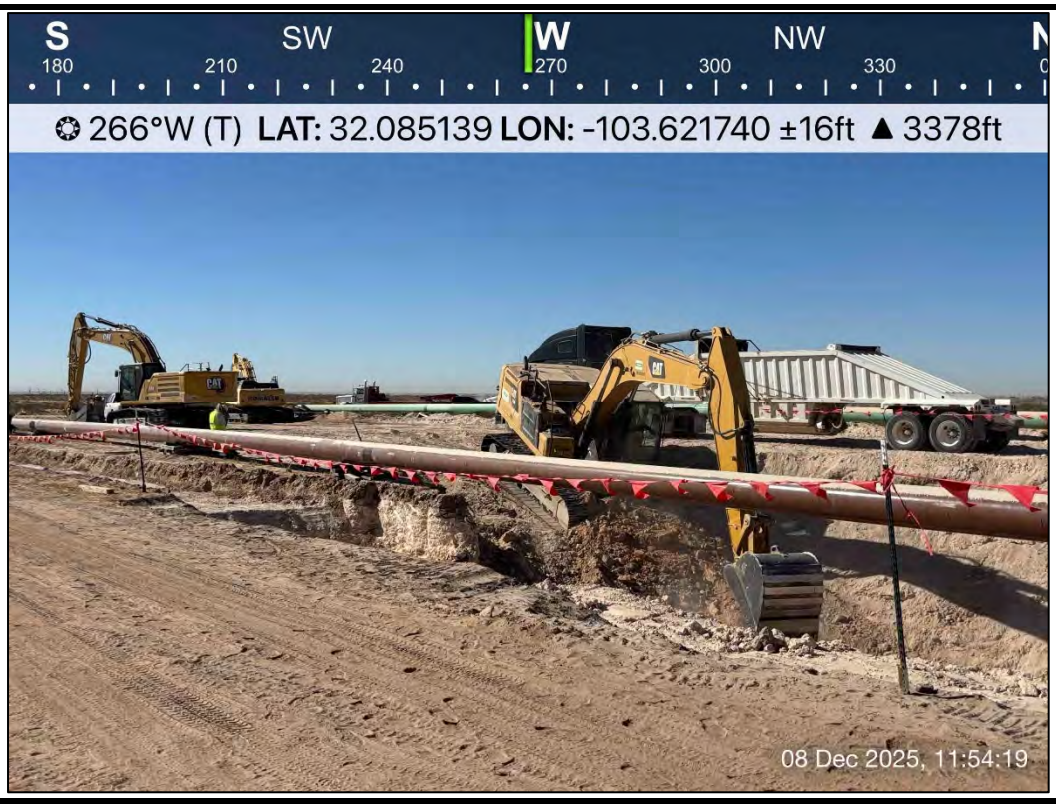


PHOTO 22: Western view during excavation activities. 12/08/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

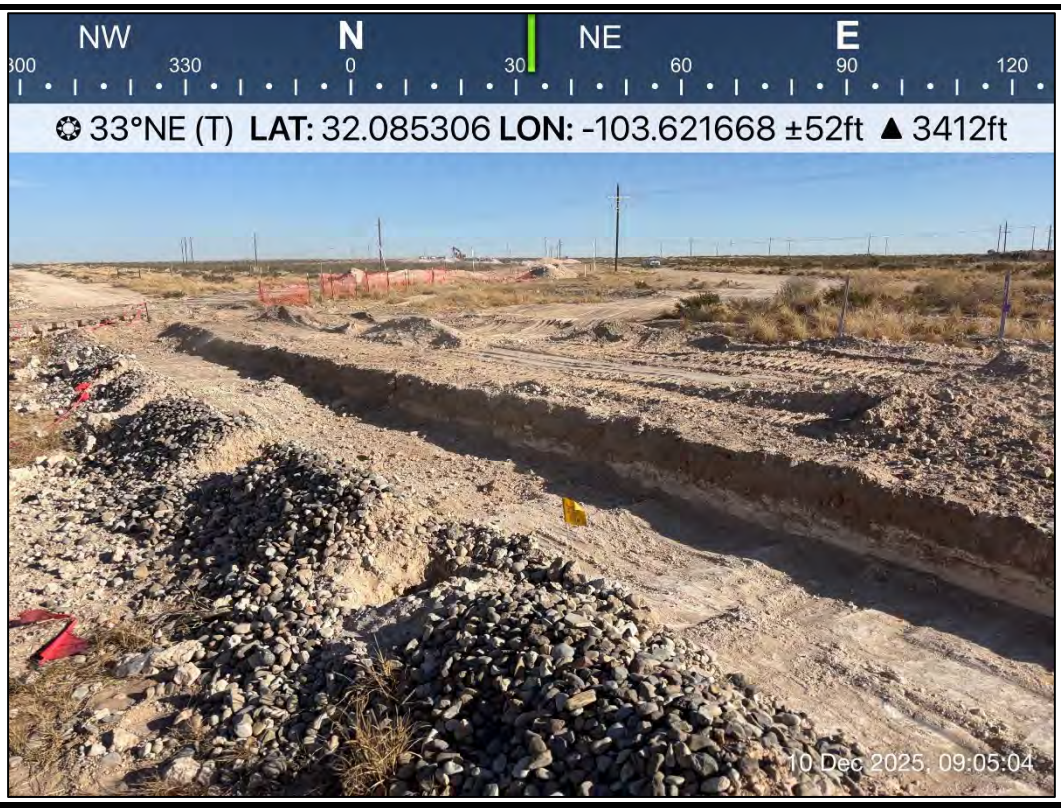


PHOTO 23: Northeastern view of excavation extent. 12/10/2025

PHOTO 24: Northeastern view of excavation extent. 12/10/2025

PHOTO 25: Northeastern view of excavation extent. 12/12/2025

PHOTO 26: Northeastern view of excavation extent. 12/12/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

Earth Systems
Response & Restoration

PHOTO 27: Northeastern view of excavation extent. 12/17/2025

PHOTO 28: Northeastern view of pipeline. 12/17/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

PHOTO 29: Northeastern view of excavation extent. 12/17/2025

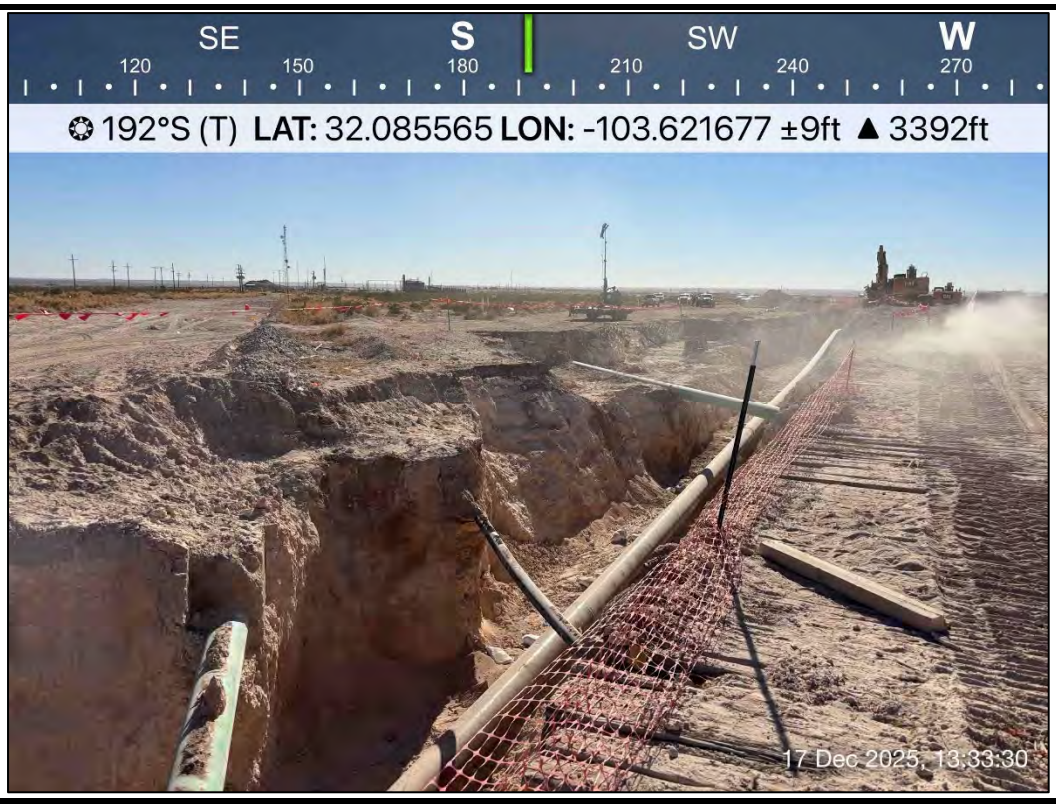


PHOTO 30: Northeastern view of excavation extent. 12/17/2025

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

PHOTO 31: Northeastern view following restoration activities. 1/12/2026

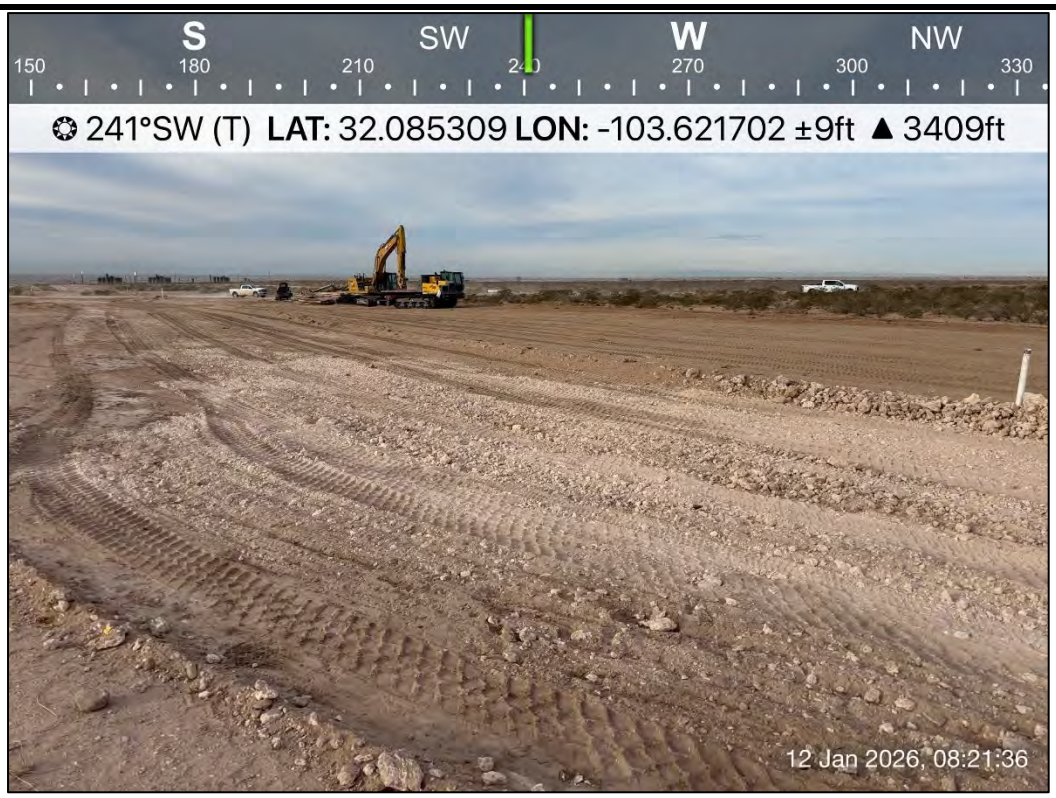


PHOTO 32: Southwestern view following restoration activities. 1/12/2026

East Loop 20" HP - Closure Request Report
Incident Number: nAPP2528933921
32.086121°, -103.622019°

PHOTO 33: Northern view following restoration activities. 1/12/2026

PHOTO 34: Northern aerial view following restoration activities. 1/12/2026

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DIT JUN 21 2021 AM 10:13

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
C-4537 POD1	20E6C	C-4537

WELL OWNER NAME(S)	PHONE (OPTIONAL)
BASIN PROPERTIES RANCHES LLC	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
3300 N A STREET, BLDG 1, STE 220	MIDLAND	TX	79705

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	04	50.8	N
	LONGITUDE	103	36	10.7	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1706	Bryce Wallace	Elite Drillers Corporation

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
06/11/21	06/12/21	500	500	280

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 280

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	20	12 3/4	STEEL	N/A	8.28	.337	
0	300	7 7/8	SDR17 PVC	SPLINE	4.3	SDR17	
300	500	7 7/8	SDR17 PVC	SPLINE	4.3	SDR17	.032

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	20	12 3/4	CEMENT	10	TOP FILL
0	20	7 7/8	CEMENT	6	TOP FILL
300	500	7 7/8	8/16 SILICA SAND	46	TOP FILL

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4537	POD NO. 1	TRN NO. 695385	
LOCATION SHK 25S.33E.31.444		WELL TAG ID NO. 20E6C	PAGE 1 OF 2

RECEIVED OCD: 6/24/2021 8:40:03 AM

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	SAND	Y ✓ N	
5	25	20	CALICHE	Y ✓ N	
25	220	195	RED CLAY & RED SILTSTONE	Y ✓ N	
220	340	120	RED SANDSTONE	✓ Y N	5.00
340	500	160	RED SANDSTONE & RED SILTSTONE	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☑ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 5.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Bryce Wallace — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

06/16/2021 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4537	POD NO. 1	TRN NO. 695385
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

Outlook

Re: [EXTERNAL] East Loop 20" HP - Extension Request - nAPP2528933921

From Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Date Tue 1/13/2026 10:07 AM
To Gilbert Moreno <gmoreno@earthsys.net>
Cc tjason@marathonpetroleum.com <tjason@marathonpetroleum.com>; mgtyler@marathonpetroleum.com <mgtyler@marathonpetroleum.com>; tmorgan3@marathonpetroleum.com <tmorgan3@marathonpetroleum.com>; eco@nmslo.gov <eco@nmslo.gov>; imreinholdt@marathonpetroleum.com <imreinholdt@marathonpetroleum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Good morning Gilbert,

Thank you for the correspondence. Your 30-day time extension is approved. Remediation Due date has been updated to February 11, 2026.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities to be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, request for time extensions, an alternative sampling plan, and/or variances.

Regards,

Nelson Velez • Senior Environmental Scientist
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, January 9, 2026 11:49 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] East Loop 20" HP - Extension Request - nAPP2528933921

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Friday, January 9, 2026 11:48 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason, Tanner <tjason@marathonpetroleum.com>; Tyler, Michael G. <mgtyler@marathonpetroleum.com>; Morgan, Tina M. <tmorgan3@marathonpetroleum.com>; NMSLO Environmental Compliance Office (ECO <eco@nmslo.gov>; Reinholdt, Isaac M. <imreinholdt@marathonpetroleum.com>
Subject: [EXTERNAL] East Loop 20" HP - Extension Request - nAPP2528933921

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello,

Earth Systems R & R (ESRR) on behalf of MPLX is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the East Loop 20" HP (Site).

A produced water release was discovered on October 14, 2025, and was subsequently assigned Incident Number nAPP2528933921. ESRR completed delineation activities on November 18, 2025, followed by oversight of remediation activities during December 2025. Final restoration activities are set to be completed by the end of today. ESRR intends to have the subsequent corrective action report submitted no later than the end of January 2026.

MPLX requests a 30-day extension of the January 12, 2026, deadline for the release associated with Incident Number nAPP2528933921, to allow additional time for ESRR to finalize the subsequent corrective action closure report.

Thanks,

Gilbert Moreno
Carlsbad Operations Manager- Project Geologist
O: (575) 323-9034 C: (832) 541-7719
gmoreno@earthsys.net
earthsys.net

Earth Systems
Response & Restoration

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 11/21/2025 9:43:03 AM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9099-2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 3/3/2026 2:23:29 PM

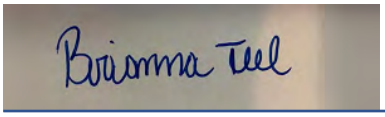
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
11/21/2025 9:43:03 AM

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9099-2
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
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: Earth Systems Response and Restoration Job ID: 890-9099-2
Project: East Loop 20" HP

Job ID: 890-9099-2 Eurofins Carlsbad

Job Narrative
890-9099-2

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

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

Receipt
The samples were received on 11/19/2025 8:16 AM. 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 -4.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 2 (890-9099-1), HA - 2 (890-9099-2), HA - 2 (890-9099-3), HA - 3 (890-9099-4), HA - 3 (890-9099-5), HA - 3 (890-9099-6), HA - 3 (890-9099-7), HA - 3 (890-9099-8), HA - 4 (890-9099-9), HA - 4 (890-9099-10), HA - 4 (890-9099-11), HA - 4 (890-9099-12), HA - 6 (890-9099-13), HA - 6 (890-9099-14), HA - 7 (890-9099-15), HA - 7 (890-9099-16), HA - 7 (890-9099-17), HA - 7 (890-9099-18), HA - 8 (890-9099-19), HA - 8 (890-9099-20), HA - 8 (890-9099-21), HA - 9 (890-9099-22), HA - 9 (890-9099-23), HA - 10 (890-9099-24), HA - 10 (890-9099-25), HA - 11 (890-9099-26), HA - 11 (890-9099-27), HA - 12 (890-9099-28), HA - 13 (890-9099-29), HA - 14 (890-9099-30), HA - 15 (890-9099-31), HA - 16 (890-9099-32), HA - 17 (890-9099-33), HA - 18 (890-9099-34), HA - 19 (890-9099-35), HA - 20 (890-9099-36), HA - 20 (890-9099-37), HA - 21 (890-9099-38), HA - 21 (890-9099-39), HA - 22 (890-9099-40), HA - 22 (890-9099-41), HA - 23 (890-9099-42), HA - 23 (890-9099-43), HA - 24 (890-9099-44), HA - 24 (890-9099-45), HA - 25 (890-9099-46), HA - 25 (890-9099-47), HA - 26 (890-9099-48), HA - 26 (890-9099-49), HA - 27 (890-9099-50), HA - 27 (890-9099-51), HA - 1 (890-9099-52) and HA - 1 (890-9099-53).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-124493 and analytical batch 880-124478 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 12 (890-9099-28) and HA - 13 (890-9099-29). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-124478/2), (LCS 880-124493/1-A), (LCSD 880-124493/2-A), (890-9100-A-1-G), (890-9100-A-1-E MS) and (890-9100-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA - 6 (890-9099-14). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-124475 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and 1,4-Difluorobenzene (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-124475/33).

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA - 27 (890-9099-50). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside the upper control limit: HA - 3 (890-9099-4), HA - 3 (890-9099-6), HA - 3 (890-9099-7), HA - 3 (890-9099-8), HA - 4 (890-9099-11) and HA - 4 (890-9099-12). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 14 (890-9099-30), HA - 15

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9099-2
Project: East Loop 20" HP

Job ID: 890-9099-2 (Continued) Eurofins Carlsbad

(890-9099-31), HA - 16 (890-9099-32), HA - 17 (890-9099-33), HA - 18 (890-9099-34), HA - 19 (890-9099-35), HA - 20 (890-9099-36), HA - 20 (890-9099-37), HA - 21 (890-9099-38), HA - 21 (890-9099-39), HA - 22 (890-9099-40), (CCV 880-124478/20) and (CCV 880-124478/33). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 13:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 13:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 13:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:38	11/20/25 13:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 13:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:38	11/20/25 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/20/25 08:38*	*11/20/25 13:02*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/20/25 08:38*	*11/20/25 13:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 13:02	1

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:10
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 13:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 13:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 13:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:38	11/20/25 13:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 13:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:38	11/20/25 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/20/25 08:38*	*11/20/25 13:22*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/20/25 08:38*	*11/20/25 13:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/20/25 13:22	1

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:15
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:38	11/20/25 16:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:38	11/20/25 16:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:38	11/20/25 16:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/25 08:38	11/20/25 16:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:38	11/20/25 16:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/25 08:38	11/20/25 16:32	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-9099-3
Matrix: Solid
Date Collected: 11/18/25 08:15
Date Received: 11/19/25 08:16
Sample Depth: 2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/20/25 08:38*	*11/20/25 16:32*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*11/20/25 08:38*	*11/20/25 16:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/20/25 16:32	1

Client Sample ID: HA - 3

Lab Sample ID: 890-9099-4
Matrix: Solid
Date Collected: 11/18/25 08:20
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 16:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 16:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 16:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/25 08:38	11/20/25 16:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 16:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/25 08:38	11/20/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/20/25 08:38*	*11/20/25 16:53*	*1*
1,4-Difluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*11/20/25 08:38*	*11/20/25 16:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/25 16:53	1

Client Sample ID: HA - 3

Lab Sample ID: 890-9099-5
Matrix: Solid
Date Collected: 11/18/25 08:25
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:38	11/20/25 17:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:38	11/20/25 17:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:38	11/20/25 17:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/25 08:38	11/20/25 17:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:38	11/20/25 17:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/25 08:38	11/20/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*11/20/25 08:38*	*11/20/25 17:13*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*11/20/25 08:38*	*11/20/25 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/20/25 17:13	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:30
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 08:38	11/20/25 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 08:38	11/20/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*11/20/25 08:38*	*11/20/25 17:34*	*1*
1,4-Difluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*11/20/25 08:38*	*11/20/25 17:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 17:34	1

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:35
Date Received: 11/19/25 08:16
Sample Depth: 4

Lab Sample ID: 890-9099-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 17:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:38	11/20/25 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 17:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:38	11/20/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/20/25 08:38*	*11/20/25 17:54*	*1*
1,4-Difluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*11/20/25 08:38*	*11/20/25 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/20/25 17:54	1

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:37
Date Received: 11/19/25 08:16
Sample Depth: 6

Lab Sample ID: 890-9099-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 18:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:38	11/20/25 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 18:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:38	11/20/25 18:15	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-9099-8
Matrix: Solid
Date Collected: 11/18/25 08:37
Date Received: 11/19/25 08:16
Sample Depth: 6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*11/20/25 08:38*	*11/20/25 18:15*	*1*
1,4-Difluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*11/20/25 08:38*	*11/20/25 18:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 18:15	1

Client Sample ID: HA - 4

Lab Sample ID: 890-9099-9
Matrix: Solid
Date Collected: 11/18/25 08:40
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 18:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 18:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 18:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/25 08:38	11/20/25 18:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 18:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/25 08:38	11/20/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/20/25 08:38*	*11/20/25 18:35*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*11/20/25 08:38*	*11/20/25 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/25 18:35	1

Client Sample ID: HA - 4

Lab Sample ID: 890-9099-10
Matrix: Solid
Date Collected: 11/18/25 08:45
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:38	11/20/25 18:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:38	11/20/25 18:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:38	11/20/25 18:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/25 08:38	11/20/25 18:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:38	11/20/25 18:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/25 08:38	11/20/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/20/25 08:38*	*11/20/25 18:56*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*11/20/25 08:38*	*11/20/25 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/20/25 18:56	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:50
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 19:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 19:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 19:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 08:38	11/20/25 19:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 19:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 08:38	11/20/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/20/25 08:38*	*11/20/25 19:17*	*1*
1,4-Difluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*11/20/25 08:38*	*11/20/25 19:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 19:17	1

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:55
Date Received: 11/19/25 08:16
Sample Depth: 4

Lab Sample ID: 890-9099-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 19:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:38	11/20/25 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 19:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:38	11/20/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/20/25 08:38*	*11/20/25 19:37*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*11/20/25 08:38*	*11/20/25 19:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 19:37	1

Client Sample ID: HA - 6
Date Collected: 11/18/25 09:00
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 13:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 13:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 13:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/25 08:45	11/20/25 13:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 13:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/25 08:45	11/20/25 13:01	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-9099-13
Matrix: Solid
Date Collected: 11/18/25 09:00
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/20/25 08:45	11/20/25 13:01	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/20/25 08:45	11/20/25 13:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/20/25 13:01	1

Client Sample ID: HA - 6

Lab Sample ID: 890-9099-14
Matrix: Solid
Date Collected: 11/18/25 09:05
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:45	11/20/25 16:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:45	11/20/25 16:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:45	11/20/25 16:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 08:45	11/20/25 16:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:45	11/20/25 16:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 08:45	11/20/25 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	11/20/25 08:45	11/20/25 16:34	1
1,4-Difluorobenzene (Surr)	56	S1-	70 - 130	11/20/25 08:45	11/20/25 16:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 16:34	1

Client Sample ID: HA - 7

Lab Sample ID: 890-9099-15
Matrix: Solid
Date Collected: 11/18/25 09:10
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 16:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 16:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 16:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:45	11/20/25 16:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 16:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:45	11/20/25 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	11/20/25 08:45	11/20/25 16:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/20/25 08:45	11/20/25 16:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 16:54	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:15
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 17:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 17:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 17:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:45	11/20/25 17:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 17:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:45	11/20/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/20/25 08:45*	*11/20/25 17:15*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/20/25 08:45*	*11/20/25 17:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/20/25 17:15	1

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:20
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:45	11/20/25 17:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:45	11/20/25 17:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:45	11/20/25 17:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/25 08:45	11/20/25 17:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:45	11/20/25 17:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/25 08:45	11/20/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/20/25 08:45*	*11/20/25 17:36*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/20/25 08:45*	*11/20/25 17:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/20/25 17:36	1

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:30
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:45	11/20/25 17:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:45	11/20/25 17:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:45	11/20/25 17:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/25 08:45	11/20/25 17:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:45	11/20/25 17:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/25 08:45	11/20/25 17:56	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:30
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-19
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/20/25 08:45*	*11/20/25 17:56*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/20/25 08:45*	*11/20/25 17:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/20/25 17:56	1

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:35
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:45	11/20/25 18:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:45	11/20/25 18:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:45	11/20/25 18:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 08:45	11/20/25 18:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:45	11/20/25 18:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 08:45	11/20/25 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/20/25 08:45*	*11/20/25 18:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/20/25 08:45*	*11/20/25 18:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 18:17	1

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:40
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 18:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 18:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:45	11/20/25 18:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 18:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:45	11/20/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/20/25 08:45*	*11/20/25 18:37*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/20/25 08:45*	*11/20/25 18:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/20/25 18:37	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-9099-22
Matrix: Solid
Date Collected: 11/18/25 09:45
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 18:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 18:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 18:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:45	11/20/25 18:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 18:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:45	11/20/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/20/25 08:45*	*11/20/25 18:58*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/20/25 08:45*	*11/20/25 18:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 18:58	1

Client Sample ID: HA - 10

Lab Sample ID: 890-9099-24
Matrix: Solid
Date Collected: 11/18/25 09:55
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:45	11/20/25 19:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:45	11/20/25 19:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:45	11/20/25 19:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/25 08:45	11/20/25 19:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:45	11/20/25 19:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/25 08:45	11/20/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/20/25 08:45*	*11/20/25 19:19*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/20/25 08:45*	*11/20/25 19:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/20/25 19:19	1

Client Sample ID: HA - 11

Lab Sample ID: 890-9099-26
Matrix: Solid
Date Collected: 11/18/25 10:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 19:39	1
Toluene	**0.00283**		0.00200		mg/Kg		11/20/25 08:45	11/20/25 19:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 19:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:45	11/20/25 19:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 19:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:45	11/20/25 19:39	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 11
Date Collected: 11/18/25 10:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-26
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/20/25 08:45*	*11/20/25 19:39*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/20/25 08:45*	*11/20/25 19:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 19:39	1

Client Sample ID: HA - 12
Date Collected: 11/18/25 10:15
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 12:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/25 09:13	11/20/25 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 12:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/25 09:13	11/20/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 12:43*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/25 09:13*	*11/20/25 12:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/20/25 12:43	1

Client Sample ID: HA - 13
Date Collected: 11/18/25 10:20
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 13:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 13:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 13:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 09:13	11/20/25 13:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 13:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 09:13	11/20/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 13:18*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*11/20/25 09:13*	*11/20/25 13:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 13:18	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 14

Lab Sample ID: 890-9099-30
Matrix: Solid
Date Collected: 11/18/25 10:25
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 16:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 16:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 16:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 09:13	11/20/25 16:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 16:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 09:13	11/20/25 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 16:28*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*11/20/25 09:13*	*11/20/25 16:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 16:28	1

Client Sample ID: HA - 15

Lab Sample ID: 890-9099-31
Matrix: Solid
Date Collected: 11/18/25 10:30
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 17:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 17:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 17:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 09:13	11/20/25 17:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 17:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 09:13	11/20/25 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 17:51*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/25 09:13*	*11/20/25 17:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/20/25 17:51	1

Client Sample ID: HA - 16

Lab Sample ID: 890-9099-32
Matrix: Solid
Date Collected: 11/18/25 10:35
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/25 09:13	11/20/25 18:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/25 09:13	11/20/25 18:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/25 09:13	11/20/25 18:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/25 09:13	11/20/25 18:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/25 09:13	11/20/25 18:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/25 09:13	11/20/25 18:11	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 16

Lab Sample ID: 890-9099-32
Matrix: Solid
Date Collected: 11/18/25 10:35
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 18:11*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/25 09:13*	*11/20/25 18:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/20/25 18:11	1

Client Sample ID: HA - 17

Lab Sample ID: 890-9099-33
Matrix: Solid
Date Collected: 11/18/25 10:40
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/25 09:13	11/20/25 18:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/25 09:13	11/20/25 18:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/25 09:13	11/20/25 18:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/25 09:13	11/20/25 18:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/25 09:13	11/20/25 18:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/25 09:13	11/20/25 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 18:31*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*11/20/25 09:13*	*11/20/25 18:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/25 18:31	1

Client Sample ID: HA - 18

Lab Sample ID: 890-9099-34
Matrix: Solid
Date Collected: 11/18/25 10:45
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:13	11/20/25 18:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:13	11/20/25 18:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:13	11/20/25 18:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/25 09:13	11/20/25 18:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:13	11/20/25 18:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/25 09:13	11/20/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 18:52*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/25 09:13*	*11/20/25 18:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/20/25 18:52	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 19

Lab Sample ID: 890-9099-35
Matrix: Solid
Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 19:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 19:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 19:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 09:13	11/20/25 19:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 19:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 09:13	11/20/25 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 19:12*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/25 09:13*	*11/20/25 19:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 19:12	1

Client Sample ID: HA - 20

Lab Sample ID: 890-9099-36
Matrix: Solid
Date Collected: 11/18/25 10:55
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 19:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 09:13	11/20/25 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 19:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 09:13	11/20/25 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 19:33*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/25 09:13*	*11/20/25 19:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/20/25 19:33	1

Client Sample ID: HA - 20

Lab Sample ID: 890-9099-37
Matrix: Solid
Date Collected: 11/18/25 11:00
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 19:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 19:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 19:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 09:13	11/20/25 19:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 09:13	11/20/25 19:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 09:13	11/20/25 19:53	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 20

Lab Sample ID: 890-9099-37
Matrix: Solid
Date Collected: 11/18/25 11:00
Date Received: 11/19/25 08:16
Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 19:53*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*11/20/25 09:13*	*11/20/25 19:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 19:53	1

Client Sample ID: HA - 21

Lab Sample ID: 890-9099-38
Matrix: Solid
Date Collected: 11/18/25 11:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/25 09:13	11/20/25 20:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/25 09:13	11/20/25 20:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/25 09:13	11/20/25 20:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/25 09:13	11/20/25 20:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/25 09:13	11/20/25 20:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/25 09:13	11/20/25 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 20:14*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/25 09:13*	*11/20/25 20:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/25 20:14	1

Client Sample ID: HA - 21

Lab Sample ID: 890-9099-39
Matrix: Solid
Date Collected: 11/18/25 11:10
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:13	11/20/25 20:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:13	11/20/25 20:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:13	11/20/25 20:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/25 09:13	11/20/25 20:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/25 09:13	11/20/25 20:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/25 09:13	11/20/25 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 20:34*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*11/20/25 09:13*	*11/20/25 20:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/20/25 20:34	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:15
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-40
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 20:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 20:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 20:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 09:13	11/20/25 20:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 09:13	11/20/25 20:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 09:13	11/20/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*11/20/25 09:13*	*11/20/25 20:55*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*11/20/25 09:13*	*11/20/25 20:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 20:55	1

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:20
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-41
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 13:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 13:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 13:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/25 08:59	11/20/25 13:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 13:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/25 08:59	11/20/25 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/20/25 08:59*	*11/20/25 13:17*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/20/25 08:59*	*11/20/25 13:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/20/25 13:17	1

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:25
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-42
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 13:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 13:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 13:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 08:59	11/20/25 13:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 13:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 08:59	11/20/25 13:38	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:25
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-42
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/20/25 08:59*	*11/20/25 13:38*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/25 08:59*	*11/20/25 13:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 13:38	1

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:30
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-43
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 13:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 13:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 13:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:59	11/20/25 13:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 13:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:59	11/20/25 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/20/25 08:59*	*11/20/25 13:58*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/20/25 08:59*	*11/20/25 13:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 13:58	1

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:35
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-44
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 16:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 16:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 16:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:59	11/20/25 16:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 16:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:59	11/20/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/20/25 08:59*	*11/20/25 16:43*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/20/25 08:59*	*11/20/25 16:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/20/25 16:43	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:40
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-45
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:59	11/20/25 17:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:59	11/20/25 17:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:59	11/20/25 17:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/25 08:59	11/20/25 17:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/25 08:59	11/20/25 17:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/25 08:59	11/20/25 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/20/25 08:59*	*11/20/25 17:04*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/20/25 08:59*	*11/20/25 17:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/20/25 17:04	1

Client Sample ID: HA - 25
Date Collected: 11/18/25 11:45
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-46
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:59	11/20/25 17:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:59	11/20/25 17:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:59	11/20/25 17:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/25 08:59	11/20/25 17:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:59	11/20/25 17:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/25 08:59	11/20/25 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/20/25 08:59*	*11/20/25 17:24*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/20/25 08:59*	*11/20/25 17:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/25 17:24	1

Client Sample ID: HA - 25
Date Collected: 11/18/25 11:50
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-47
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:59	11/20/25 17:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:59	11/20/25 17:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:59	11/20/25 17:45	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/25 08:59	11/20/25 17:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:59	11/20/25 17:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/25 08:59	11/20/25 17:45	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 25

Lab Sample ID: 890-9099-47
Matrix: Solid
Date Collected: 11/18/25 11:50
Date Received: 11/19/25 08:16
Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/20/25 08:59	11/20/25 17:45	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/20/25 08:59	11/20/25 17:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/20/25 17:45	1

Client Sample ID: HA - 26

Lab Sample ID: 890-9099-48
Matrix: Solid
Date Collected: 11/18/25 11:55
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 18:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 18:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 18:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 08:59	11/20/25 18:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 18:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 08:59	11/20/25 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/20/25 08:59	11/20/25 18:05	1
1,4-Difluorobenzene (Surr)	111		70 - 130	11/20/25 08:59	11/20/25 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 18:05	1

Client Sample ID: HA - 26

Lab Sample ID: 890-9099-49
Matrix: Solid
Date Collected: 11/18/25 12:00
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 18:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 18:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 18:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:59	11/20/25 18:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 18:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:59	11/20/25 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/20/25 08:59	11/20/25 18:26	1
1,4-Difluorobenzene (Surr)	111		70 - 130	11/20/25 08:59	11/20/25 18:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/20/25 18:26	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-50
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 18:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 18:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 18:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:59	11/20/25 18:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 18:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:59	11/20/25 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*11/20/25 08:59*	*11/20/25 18:46*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*11/20/25 08:59*	*11/20/25 18:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 18:46	1

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:10
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-51
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:59	11/20/25 19:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:59	11/20/25 19:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:59	11/20/25 19:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/25 08:59	11/20/25 19:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:59	11/20/25 19:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/25 08:59	11/20/25 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/20/25 08:59*	*11/20/25 19:06*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/20/25 08:59*	*11/20/25 19:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/25 19:06	1

Client Sample ID: HA - 1
Date Collected: 11/18/25 12:15
Date Received: 11/19/25 08:16
Sample Depth: 14

Lab Sample ID: 890-9099-52
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:59	11/20/25 19:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:59	11/20/25 19:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:59	11/20/25 19:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/25 08:59	11/20/25 19:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/25 08:59	11/20/25 19:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/25 08:59	11/20/25 19:27	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-9099-52
Matrix: Solid
Date Collected: 11/18/25 12:15
Date Received: 11/19/25 08:16
Sample Depth: 14

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/20/25 08:59*	*11/20/25 19:27*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/20/25 08:59*	*11/20/25 19:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/20/25 19:27	1

Client Sample ID: HA - 1

Lab Sample ID: 890-9099-53
Matrix: Solid
Date Collected: 11/18/25 12:20
Date Received: 11/19/25 08:16
Sample Depth: 16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 19:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 19:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 19:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 08:59	11/20/25 19:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:59	11/20/25 19:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 08:59	11/20/25 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*11/20/25 08:59*	*11/20/25 19:47*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/20/25 08:59*	*11/20/25 19:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 19:47	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
890-9099-1	HA - 2	99	104										
890-9099-2	HA - 2	95	101										
890-9099-3	HA - 2	113	127										
890-9099-4	HA - 3	122	133 S1+										
890-9099-5	HA - 3	127	129										
890-9099-6	HA - 3	123	135 S1+										
890-9099-7	HA - 3	120	135 S1+										
890-9099-8	HA - 3	134 S1+	138 S1+										
890-9099-9	HA - 4	120	126										
890-9099-10	HA - 4	121	125										
890-9099-11	HA - 4	121	135 S1+										
890-9099-12	HA - 4	120	131 S1+										
890-9099-13	HA - 6	110	102										
890-9099-14	HA - 6	129	56 S1-										
890-9099-15	HA - 7	101	97										
890-9099-16	HA - 7	94	99										
890-9099-17	HA - 7	112	97										
890-9099-19	HA - 8	101	100										
890-9099-20	HA - 8	105	98										
890-9099-21	HA - 8	107	98										
890-9099-22	HA - 9	105	97										
890-9099-24	HA - 10	105	90										
890-9099-26	HA - 11	107	95										
890-9099-28	HA - 12	148 S1+	86										
890-9099-29	HA - 13	134 S1+	83										
890-9099-30	HA - 14	148 S1+	88										
890-9099-31	HA - 15	157 S1+	86										
890-9099-32	HA - 16	149 S1+	86										
890-9099-33	HA - 17	150 S1+	85										
890-9099-34	HA - 18	156 S1+	86										
890-9099-35	HA - 19	155 S1+	86										
890-9099-36	HA - 20	154 S1+	86										
890-9099-37	HA - 20	155 S1+	85										
890-9099-38	HA - 21	158 S1+	86										
890-9099-39	HA - 21	151 S1+	84										
890-9099-40	HA - 22	160 S1+	87										
890-9099-41	HA - 22	101	106										
890-9099-42	HA - 23	90	86										
890-9099-43	HA - 23	105	108										
890-9099-44	HA - 24	109	109										
890-9099-45	HA - 24	106	114										
890-9099-46	HA - 25	105	107										
890-9099-47	HA - 25	106	108										
890-9099-48	HA - 26	110	111										
890-9099-49	HA - 26	108	111										
890-9099-50	HA - 27	59 S1-	77										
890-9099-51	HA - 27	104	105										
890-9099-52	HA - 1	107	107										
890-9099-53	HA - 1	108	107										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9099-2
Project/Site: East Loop 20" HP
SDG: Lea County, NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-124482/1-A	Lab Control Sample	114	134 S1+
LCS 880-124483/1-A	Lab Control Sample	113	106
LCS 880-124485/1-A	Lab Control Sample	105	106
LCS 880-124493/1-A	Lab Control Sample	147 S1+	86
LCSD 880-124482/2-A	Lab Control Sample Dup	96	118
LCSD 880-124483/2-A	Lab Control Sample Dup	103	101
LCSD 880-124485/2-A	Lab Control Sample Dup	102	103
LCSD 880-124493/2-A	Lab Control Sample Dup	151 S1+	85
MB 880-124482/5-A	Method Blank	90	98
MB 880-124483/5-A	Method Blank	114	93
MB 880-124485/5-A	Method Blank	101	101
MB 880-124493/5-A	Method Blank	134 S1+	79

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-124482/5-A
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124482

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:38	11/20/25 09:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/20/25 08:38*	*11/20/25 09:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/20/25 08:38*	*11/20/25 09:56*	*1*

Lab Sample ID: LCS 880-124482/1-A
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1219		mg/Kg		122	70 - 130
Toluene	0.100	0.1041		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1252		mg/Kg		125	70 - 130
m-Xylene & p-Xylene	0.200	0.2055		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1234		mg/Kg		123	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*134*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-124482/2-A
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124482

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09731		mg/Kg		97	70 - 130	22	35
Toluene	0.100	0.08301		mg/Kg		83	70 - 130	23	35
Ethylbenzene	0.100	0.1015		mg/Kg		101	70 - 130	21	35
m-Xylene & p-Xylene	0.200	0.1709		mg/Kg		85	70 - 130	18	35
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: MB 880-124483/5-A
Matrix: Solid
Analysis Batch: 124477

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 09:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 09:55	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

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

Lab Sample ID: MB 880-124483/5-A
Matrix: Solid
Analysis Batch: 124477

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 09:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:45	11/20/25 09:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:45	11/20/25 09:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:45	11/20/25 09:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/20/25 08:45*	*11/20/25 09:55*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*11/20/25 08:45*	*11/20/25 09:55*	*1*

Lab Sample ID: LCS 880-124483/1-A
Matrix: Solid
Analysis Batch: 124477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124483

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1017		mg/Kg		102	70 - 130		
Toluene			0.100	0.08826		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.09908		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2073		mg/Kg		104	70 - 130		
o-Xylene			0.100	0.1070		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-124483/2-A
Matrix: Solid
Analysis Batch: 124477

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124483

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1061		mg/Kg		106	70 - 130	4	35
Toluene			0.100	0.08825		mg/Kg		88	70 - 130	0	35
Ethylbenzene			0.100	0.09400		mg/Kg		94	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1913		mg/Kg		96	70 - 130	8	35
o-Xylene			0.100	0.1044		mg/Kg		104	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-124485/5-A
Matrix: Solid
Analysis Batch: 124476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 10:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 10:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 10:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:59	11/20/25 10:33	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

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

Lab Sample ID: MB 880-124485/5-A
Matrix: Solid
Analysis Batch: 124476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124485

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:59	11/20/25 10:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:59	11/20/25 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/20/25 08:59*	*11/20/25 10:33*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/20/25 08:59*	*11/20/25 10:33*	*1*

Lab Sample ID: LCS 880-124485/1-A
Matrix: Solid
Analysis Batch: 124476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.1019		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2210		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-124485/2-A
Matrix: Solid
Analysis Batch: 124476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124485

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09912		mg/Kg		99	70 - 130	4	35
Toluene	0.100	0.09578		mg/Kg		96	70 - 130	6	35
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2077		mg/Kg		104	70 - 130	6	35
o-Xylene	0.100	0.1107		mg/Kg		111	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-124493/5-A
Matrix: Solid
Analysis Batch: 124478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 05:00	11/20/25 09:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 05:00	11/20/25 09:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 05:00	11/20/25 09:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 05:00	11/20/25 09:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 05:00	11/20/25 09:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 05:00	11/20/25 09:58	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	11/20/25 05:00	11/20/25 09:58	1
1,4-Difluorobenzene (Surr)	79		70 - 130	11/20/25 05:00	11/20/25 09:58	1

Lab Sample ID: LCS 880-124493/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124478 — **Prep Batch: 124493**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1135		mg/Kg		113	70 - 130		
Toluene			0.100	0.1062		mg/Kg		106	70 - 130		
Ethylbenzene			0.100	0.1154		mg/Kg		115	70 - 130		
m-Xylene & p-Xylene			0.200	0.2207		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1161		mg/Kg		116	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-124493/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124478 — **Prep Batch: 124493**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1191		mg/Kg		119	70 - 130	5	35
Toluene			0.100	0.1128		mg/Kg		113	70 - 130	6	35
Ethylbenzene			0.100	0.1210		mg/Kg		121	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2345		mg/Kg		117	70 - 130	6	35
o-Xylene			0.100	0.1197		mg/Kg		120	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

GC VOA

Analysis Batch: 124475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-1	HA - 2	Total/NA	Solid	8021B	124482
890-9099-2	HA - 2	Total/NA	Solid	8021B	124482
890-9099-3	HA - 2	Total/NA	Solid	8021B	124482
890-9099-4	HA - 3	Total/NA	Solid	8021B	124482
890-9099-5	HA - 3	Total/NA	Solid	8021B	124482
890-9099-6	HA - 3	Total/NA	Solid	8021B	124482
890-9099-7	HA - 3	Total/NA	Solid	8021B	124482
890-9099-8	HA - 3	Total/NA	Solid	8021B	124482
890-9099-9	HA - 4	Total/NA	Solid	8021B	124482
890-9099-10	HA - 4	Total/NA	Solid	8021B	124482
890-9099-11	HA - 4	Total/NA	Solid	8021B	124482
890-9099-12	HA - 4	Total/NA	Solid	8021B	124482
MB 880-124482/5-A	Method Blank	Total/NA	Solid	8021B	124482
LCS 880-124482/1-A	Lab Control Sample	Total/NA	Solid	8021B	124482
LCSD 880-124482/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124482

Analysis Batch: 124476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-41	HA - 22	Total/NA	Solid	8021B	124485
890-9099-42	HA - 23	Total/NA	Solid	8021B	124485
890-9099-43	HA - 23	Total/NA	Solid	8021B	124485
890-9099-44	HA - 24	Total/NA	Solid	8021B	124485
890-9099-45	HA - 24	Total/NA	Solid	8021B	124485
890-9099-46	HA - 25	Total/NA	Solid	8021B	124485
890-9099-47	HA - 25	Total/NA	Solid	8021B	124485
890-9099-48	HA - 26	Total/NA	Solid	8021B	124485
890-9099-49	HA - 26	Total/NA	Solid	8021B	124485
890-9099-50	HA - 27	Total/NA	Solid	8021B	124485
890-9099-51	HA - 27	Total/NA	Solid	8021B	124485
890-9099-52	HA - 1	Total/NA	Solid	8021B	124485
890-9099-53	HA - 1	Total/NA	Solid	8021B	124485
MB 880-124485/5-A	Method Blank	Total/NA	Solid	8021B	124485
LCS 880-124485/1-A	Lab Control Sample	Total/NA	Solid	8021B	124485
LCSD 880-124485/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124485

Analysis Batch: 124477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-13	HA - 6	Total/NA	Solid	8021B	124483
890-9099-14	HA - 6	Total/NA	Solid	8021B	124483
890-9099-15	HA - 7	Total/NA	Solid	8021B	124483
890-9099-16	HA - 7	Total/NA	Solid	8021B	124483
890-9099-17	HA - 7	Total/NA	Solid	8021B	124483
890-9099-19	HA - 8	Total/NA	Solid	8021B	124483
890-9099-20	HA - 8	Total/NA	Solid	8021B	124483
890-9099-21	HA - 8	Total/NA	Solid	8021B	124483
890-9099-22	HA - 9	Total/NA	Solid	8021B	124483
890-9099-24	HA - 10	Total/NA	Solid	8021B	124483
890-9099-26	HA - 11	Total/NA	Solid	8021B	124483
MB 880-124483/5-A	Method Blank	Total/NA	Solid	8021B	124483
LCS 880-124483/1-A	Lab Control Sample	Total/NA	Solid	8021B	124483
LCSD 880-124483/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124483

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

GC VOA

Analysis Batch: 124478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-28	HA - 12	Total/NA	Solid	8021B	124493
890-9099-29	HA - 13	Total/NA	Solid	8021B	124493
890-9099-30	HA - 14	Total/NA	Solid	8021B	124493
890-9099-31	HA - 15	Total/NA	Solid	8021B	124493
890-9099-32	HA - 16	Total/NA	Solid	8021B	124493
890-9099-33	HA - 17	Total/NA	Solid	8021B	124493
890-9099-34	HA - 18	Total/NA	Solid	8021B	124493
890-9099-35	HA - 19	Total/NA	Solid	8021B	124493
890-9099-36	HA - 20	Total/NA	Solid	8021B	124493
890-9099-37	HA - 20	Total/NA	Solid	8021B	124493
890-9099-38	HA - 21	Total/NA	Solid	8021B	124493
890-9099-39	HA - 21	Total/NA	Solid	8021B	124493
890-9099-40	HA - 22	Total/NA	Solid	8021B	124493
MB 880-124493/5-A	Method Blank	Total/NA	Solid	8021B	124493
LCS 880-124493/1-A	Lab Control Sample	Total/NA	Solid	8021B	124493
LCSD 880-124493/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124493

Prep Batch: 124482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-1	HA - 2	Total/NA	Solid	5035	
890-9099-2	HA - 2	Total/NA	Solid	5035	
890-9099-3	HA - 2	Total/NA	Solid	5035	
890-9099-4	HA - 3	Total/NA	Solid	5035	
890-9099-5	HA - 3	Total/NA	Solid	5035	
890-9099-6	HA - 3	Total/NA	Solid	5035	
890-9099-7	HA - 3	Total/NA	Solid	5035	
890-9099-8	HA - 3	Total/NA	Solid	5035	
890-9099-9	HA - 4	Total/NA	Solid	5035	
890-9099-10	HA - 4	Total/NA	Solid	5035	
890-9099-11	HA - 4	Total/NA	Solid	5035	
890-9099-12	HA - 4	Total/NA	Solid	5035	
MB 880-124482/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124482/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124482/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 124483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-13	HA - 6	Total/NA	Solid	5035	
890-9099-14	HA - 6	Total/NA	Solid	5035	
890-9099-15	HA - 7	Total/NA	Solid	5035	
890-9099-16	HA - 7	Total/NA	Solid	5035	
890-9099-17	HA - 7	Total/NA	Solid	5035	
890-9099-19	HA - 8	Total/NA	Solid	5035	
890-9099-20	HA - 8	Total/NA	Solid	5035	
890-9099-21	HA - 8	Total/NA	Solid	5035	
890-9099-22	HA - 9	Total/NA	Solid	5035	
890-9099-24	HA - 10	Total/NA	Solid	5035	
890-9099-26	HA - 11	Total/NA	Solid	5035	
MB 880-124483/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124483/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124483/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

GC VOA

Prep Batch: 124485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-41	HA - 22	Total/NA	Solid	5035	
890-9099-42	HA - 23	Total/NA	Solid	5035	
890-9099-43	HA - 23	Total/NA	Solid	5035	
890-9099-44	HA - 24	Total/NA	Solid	5035	
890-9099-45	HA - 24	Total/NA	Solid	5035	
890-9099-46	HA - 25	Total/NA	Solid	5035	
890-9099-47	HA - 25	Total/NA	Solid	5035	
890-9099-48	HA - 26	Total/NA	Solid	5035	
890-9099-49	HA - 26	Total/NA	Solid	5035	
890-9099-50	HA - 27	Total/NA	Solid	5035	
890-9099-51	HA - 27	Total/NA	Solid	5035	
890-9099-52	HA - 1	Total/NA	Solid	5035	
890-9099-53	HA - 1	Total/NA	Solid	5035	
MB 880-124485/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124485/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124485/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 124493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-28	HA - 12	Total/NA	Solid	5035	
890-9099-29	HA - 13	Total/NA	Solid	5035	
890-9099-30	HA - 14	Total/NA	Solid	5035	
890-9099-31	HA - 15	Total/NA	Solid	5035	
890-9099-32	HA - 16	Total/NA	Solid	5035	
890-9099-33	HA - 17	Total/NA	Solid	5035	
890-9099-34	HA - 18	Total/NA	Solid	5035	
890-9099-35	HA - 19	Total/NA	Solid	5035	
890-9099-36	HA - 20	Total/NA	Solid	5035	
890-9099-37	HA - 20	Total/NA	Solid	5035	
890-9099-38	HA - 21	Total/NA	Solid	5035	
890-9099-39	HA - 21	Total/NA	Solid	5035	
890-9099-40	HA - 22	Total/NA	Solid	5035	
MB 880-124493/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124493/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124493/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 124566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-1	HA - 2	Total/NA	Solid	Total BTEX	
890-9099-2	HA - 2	Total/NA	Solid	Total BTEX	
890-9099-3	HA - 2	Total/NA	Solid	Total BTEX	
890-9099-4	HA - 3	Total/NA	Solid	Total BTEX	
890-9099-5	HA - 3	Total/NA	Solid	Total BTEX	
890-9099-6	HA - 3	Total/NA	Solid	Total BTEX	
890-9099-7	HA - 3	Total/NA	Solid	Total BTEX	
890-9099-8	HA - 3	Total/NA	Solid	Total BTEX	
890-9099-9	HA - 4	Total/NA	Solid	Total BTEX	
890-9099-10	HA - 4	Total/NA	Solid	Total BTEX	
890-9099-11	HA - 4	Total/NA	Solid	Total BTEX	
890-9099-12	HA - 4	Total/NA	Solid	Total BTEX	
890-9099-13	HA - 6	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 124566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-14	HA - 6	Total/NA	Solid	Total BTEX	
890-9099-15	HA - 7	Total/NA	Solid	Total BTEX	
890-9099-16	HA - 7	Total/NA	Solid	Total BTEX	
890-9099-17	HA - 7	Total/NA	Solid	Total BTEX	
890-9099-19	HA - 8	Total/NA	Solid	Total BTEX	
890-9099-20	HA - 8	Total/NA	Solid	Total BTEX	
890-9099-21	HA - 8	Total/NA	Solid	Total BTEX	
890-9099-22	HA - 9	Total/NA	Solid	Total BTEX	
890-9099-24	HA - 10	Total/NA	Solid	Total BTEX	
890-9099-26	HA - 11	Total/NA	Solid	Total BTEX	
890-9099-28	HA - 12	Total/NA	Solid	Total BTEX	
890-9099-29	HA - 13	Total/NA	Solid	Total BTEX	
890-9099-30	HA - 14	Total/NA	Solid	Total BTEX	
890-9099-31	HA - 15	Total/NA	Solid	Total BTEX	
890-9099-32	HA - 16	Total/NA	Solid	Total BTEX	
890-9099-33	HA - 17	Total/NA	Solid	Total BTEX	
890-9099-34	HA - 18	Total/NA	Solid	Total BTEX	
890-9099-35	HA - 19	Total/NA	Solid	Total BTEX	
890-9099-36	HA - 20	Total/NA	Solid	Total BTEX	
890-9099-37	HA - 20	Total/NA	Solid	Total BTEX	
890-9099-38	HA - 21	Total/NA	Solid	Total BTEX	
890-9099-39	HA - 21	Total/NA	Solid	Total BTEX	
890-9099-40	HA - 22	Total/NA	Solid	Total BTEX	
890-9099-41	HA - 22	Total/NA	Solid	Total BTEX	
890-9099-42	HA - 23	Total/NA	Solid	Total BTEX	
890-9099-43	HA - 23	Total/NA	Solid	Total BTEX	
890-9099-44	HA - 24	Total/NA	Solid	Total BTEX	
890-9099-45	HA - 24	Total/NA	Solid	Total BTEX	
890-9099-46	HA - 25	Total/NA	Solid	Total BTEX	
890-9099-47	HA - 25	Total/NA	Solid	Total BTEX	
890-9099-48	HA - 26	Total/NA	Solid	Total BTEX	
890-9099-49	HA - 26	Total/NA	Solid	Total BTEX	
890-9099-50	HA - 27	Total/NA	Solid	Total BTEX	
890-9099-51	HA - 27	Total/NA	Solid	Total BTEX	
890-9099-52	HA - 1	Total/NA	Solid	Total BTEX	
890-9099-53	HA - 1	Total/NA	Solid	Total BTEX	

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 13:02	SA	EET MID

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:10
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 13:22	SA	EET MID

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 16:32	SA	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 16:53	SA	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:13	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:34	SA	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:54	SA	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:37
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:15	SA	EET MID

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:35	SA	EET MID

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:56	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:50
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:17	SA	EET MID

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:55
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:37	SA	EET MID

Client Sample ID: HA - 6
Date Collected: 11/18/25 09:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 13:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 13:01	SA	EET MID

Client Sample ID: HA - 6
Date Collected: 11/18/25 09:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 16:34	SA	EET MID

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:10
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 16:54	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:15	SA	EET MID

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:36	SA	EET MID

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:56	SA	EET MID

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:17	SA	EET MID

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:37	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 9
Date Collected: 11/18/25 09:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:58	SA	EET MID

Client Sample ID: HA - 10
Date Collected: 11/18/25 09:55
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:19	SA	EET MID

Client Sample ID: HA - 11
Date Collected: 11/18/25 10:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124483	11/20/25 08:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124477	11/20/25 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:39	SA	EET MID

Client Sample ID: HA - 12
Date Collected: 11/18/25 10:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 12:43	SA	EET MID

Client Sample ID: HA - 13
Date Collected: 11/18/25 10:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 13:18	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 14
Date Collected: 11/18/25 10:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 16:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 16:28	SA	EET MID

Client Sample ID: HA - 15
Date Collected: 11/18/25 10:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:51	SA	EET MID

Client Sample ID: HA - 16
Date Collected: 11/18/25 10:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:11	SA	EET MID

Client Sample ID: HA - 17
Date Collected: 11/18/25 10:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:31	SA	EET MID

Client Sample ID: HA - 18
Date Collected: 11/18/25 10:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:52	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 19
Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:12	SA	EET MID

Client Sample ID: HA - 20
Date Collected: 11/18/25 10:55
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:33	SA	EET MID

Client Sample ID: HA - 20
Date Collected: 11/18/25 11:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 19:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:53	SA	EET MID

Client Sample ID: HA - 21
Date Collected: 11/18/25 11:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 20:14	SA	EET MID

Client Sample ID: HA - 21
Date Collected: 11/18/25 11:10
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 20:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 20:34	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124493	11/20/25 09:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124478	11/20/25 20:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 20:55	SA	EET MID

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 13:17	SA	EET MID

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 13:38	SA	EET MID

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 13:58	SA	EET MID

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 16:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 16:43	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:04	SA	EET MID

Client Sample ID: HA - 25
Date Collected: 11/18/25 11:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:24	SA	EET MID

Client Sample ID: HA - 25
Date Collected: 11/18/25 11:50
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 17:45	SA	EET MID

Client Sample ID: HA - 26
Date Collected: 11/18/25 11:55
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:05	SA	EET MID

Client Sample ID: HA - 26
Date Collected: 11/18/25 12:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:26	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 18:46	SA	EET MID

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:10
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:06	SA	EET MID

Client Sample ID: HA - 1
Date Collected: 11/18/25 12:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:27	SA	EET MID

Client Sample ID: HA - 1
Date Collected: 11/18/25 12:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124485	11/20/25 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124476	11/20/25 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124566	11/20/25 19:47	SA	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9099-2
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
5035	Closed System Purge and Trap	SW846	EET MID

Protocol References:

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: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-2
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9099-1	HA - 2	Solid	11/18/25 08:05	11/19/25 08:16	0.5
890-9099-2	HA - 2	Solid	11/18/25 08:10	11/19/25 08:16	1
890-9099-3	HA - 2	Solid	11/18/25 08:15	11/19/25 08:16	2
890-9099-4	HA - 3	Solid	11/18/25 08:20	11/19/25 08:16	0.5
890-9099-5	HA - 3	Solid	11/18/25 08:25	11/19/25 08:16	1
890-9099-6	HA - 3	Solid	11/18/25 08:30	11/19/25 08:16	2
890-9099-7	HA - 3	Solid	11/18/25 08:35	11/19/25 08:16	4
890-9099-8	HA - 3	Solid	11/18/25 08:37	11/19/25 08:16	6
890-9099-9	HA - 4	Solid	11/18/25 08:40	11/19/25 08:16	0.5
890-9099-10	HA - 4	Solid	11/18/25 08:45	11/19/25 08:16	1
890-9099-11	HA - 4	Solid	11/18/25 08:50	11/19/25 08:16	2
890-9099-12	HA - 4	Solid	11/18/25 08:55	11/19/25 08:16	4
890-9099-13	HA - 6	Solid	11/18/25 09:00	11/19/25 08:16	0.5
890-9099-14	HA - 6	Solid	11/18/25 09:05	11/19/25 08:16	1
890-9099-15	HA - 7	Solid	11/18/25 09:10	11/19/25 08:16	0.5
890-9099-16	HA - 7	Solid	11/18/25 09:15	11/19/25 08:16	1
890-9099-17	HA - 7	Solid	11/18/25 09:20	11/19/25 08:16	2
890-9099-19	HA - 8	Solid	11/18/25 09:30	11/19/25 08:16	0.5
890-9099-20	HA - 8	Solid	11/18/25 09:35	11/19/25 08:16	1
890-9099-21	HA - 8	Solid	11/18/25 09:40	11/19/25 08:16	2
890-9099-22	HA - 9	Solid	11/18/25 09:45	11/19/25 08:16	0.5
890-9099-24	HA - 10	Solid	11/18/25 09:55	11/19/25 08:16	0.5
890-9099-26	HA - 11	Solid	11/18/25 10:05	11/19/25 08:16	0.5
890-9099-28	HA - 12	Solid	11/18/25 10:15	11/19/25 08:16	0.5
890-9099-29	HA - 13	Solid	11/18/25 10:20	11/19/25 08:16	0.5
890-9099-30	HA - 14	Solid	11/18/25 10:25	11/19/25 08:16	0.5
890-9099-31	HA - 15	Solid	11/18/25 10:30	11/19/25 08:16	0.5
890-9099-32	HA - 16	Solid	11/18/25 10:35	11/19/25 08:16	0.5
890-9099-33	HA - 17	Solid	11/18/25 10:40	11/19/25 08:16	0.5
890-9099-34	HA - 18	Solid	11/18/25 10:45	11/19/25 08:16	0.5
890-9099-35	HA - 19	Solid	11/18/25 10:50	11/19/25 08:16	0.5
890-9099-36	HA - 20	Solid	11/18/25 10:55	11/19/25 08:16	0.5
890-9099-37	HA - 20	Solid	11/18/25 11:00	11/19/25 08:16	1
890-9099-38	HA - 21	Solid	11/18/25 11:05	11/19/25 08:16	0.5
890-9099-39	HA - 21	Solid	11/18/25 11:10	11/19/25 08:16	1
890-9099-40	HA - 22	Solid	11/18/25 11:15	11/19/25 08:16	0.5
890-9099-41	HA - 22	Solid	11/18/25 11:20	11/19/25 08:16	1
890-9099-42	HA - 23	Solid	11/18/25 11:25	11/19/25 08:16	0.5
890-9099-43	HA - 23	Solid	11/18/25 11:30	11/19/25 08:16	1
890-9099-44	HA - 24	Solid	11/18/25 11:35	11/19/25 08:16	0.5
890-9099-45	HA - 24	Solid	11/18/25 11:40	11/19/25 08:16	1
890-9099-46	HA - 25	Solid	11/18/25 11:45	11/19/25 08:16	0.5
890-9099-47	HA - 25	Solid	11/18/25 11:50	11/19/25 08:16	1
890-9099-48	HA - 26	Solid	11/18/25 11:55	11/19/25 08:16	0.5
890-9099-49	HA - 26	Solid	11/18/25 12:00	11/19/25 08:16	1
890-9099-50	HA - 27	Solid	11/18/25 12:05	11/19/25 08:16	0.5
890-9099-51	HA - 27	Solid	11/18/25 12:10	11/19/25 08:16	1
890-9099-52	HA - 1	Solid	11/18/25 12:15	11/19/25 08:16	14
890-9099-53	HA - 1	Solid	11/18/25 12:20	11/19/25 08:16	16

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719 Email:	gmoreno@earthsys.net, sgiron@earthsys.net	

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tumoer
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8
Total Containers:		Corrected Temperature:	-4.6

ANALYSIS REQUEST

890-9099 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
~~Zn Acetate+NaOH: Zn~~
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-2	S	11.18.25	8:05	0.5	Grab/	1	X	X	X		X
HA-2	S	11.18.25	8:10	1	Grab/	1	X	X	X		X
HA-2	S	11.18.25	8:15	2	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:20	0.5	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:25	1	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:30	2	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:35	4	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:37	6	Grab/	1	X	X	X		X
HA-4	S	11.18.25	8:40	0.5	Grab/	1	X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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1		11.19 8:46	3		
2			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

11/21/2025

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
~~Samples Received Intact:~~	Yes No	Thermometer ID:	TNN09	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8	
~~Total Containers:~~		Corrected Temperature:	4.6	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
~~Zn Acetate+NaOH: Zn~~
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	~~Depth (feet)~~	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-4	S	11.18.25	8:45	1	Grab/	1	X	X	X		X	Incident Number
HA-4	S	11.18.25	8:50	2	Grab/	1	X	X	X		X	nAPP2528933921
HA-4	S	11.18.25	8:55	4	Grab/	1	X	X	X		X	
HA-6	S	11.18.25	9:00	0.5	Grab/	1	X	X	X		X	
HA-6	S	11.18.25	9:05	1	Grab/	1	X	X	X		X	
HA-7	S	11.18.25	9:10	0.5	Grab/	1	X	X	X		X	
HA-7	S	11.18.25	9:15	1	Grab/	1	X	X	X		X	
HA-7	S	11.18.25	9:20	2	Grab/	1	X	X	X		X	
HA-7	S	11.18.25	9:25	4	Grab/	1	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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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1			3		
2			4		
5			6		

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	Tamec	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-4.8	
Total Containers:		Corrected Temperature:	-4.6	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-8	S	11.18.25	9:30	0.5	Grab/	1	X	X	X		X
HA-8	S	11.18.25	9:35	1	Grab/	1	X	X	X		X
HA-8	S	11.18.25	9:40	2	Grab/	1	X	X	X		X
HA-9	S	11.18.25	9:45	0.5	Grab/	1	X	X	X		X
HA-9	S	11.18.25	9:50	1	Grab/	1	X	X	X	X	
HA-10	S	11.18.25	9:55	0.5	Grab/	1	X	X	X		X
HA-10	S	11.18.25	10:00	1	Grab/	1	X	X	X	X	
HA-11	S	11.18.25	10:05	0.5	Grab/	1	X	X	X		X
HA-11	S	11.18.25	10:10	1	Grab/	1	X	X	X	X	

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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

Revised Date: 08/25/2020 Rev. 2020.2

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719 Email:	gmoreno@earthsys.net, sgiron@earthsys.net	

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	Tnmoe7	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-4.8	
Total Containers:		Corrected Temperature:	-4.6	

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
~~Zn Acetate+NaOH: Zn~~
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-12	S	11.18.25	10:15	0.5	Grab/	1	X	X	X		X
HA-13	S	11.18.25	10:20	0.5	Grab/	1	X	X	X		X
HA-14	S	11.18.25	10:25	0.5	Grab/	1	X	X	X		X
HA-15	S	11.18.25	10:30	0.5	Grab/	1	X	X	X		X
HA-16	S	11.18.25	10:35	0.5	Grab/	1	X	X	X		X
HA-17	S	11.18.25	10:40	0.5	Grab/	1	X	X	X		X
HA-18	S	11.18.25	10:45	0.5	Grab/	1	X	X	X		X
HA-19	S	11.18.25	10:50	0.5	Grab/	1	X	X	X		X
HA-20	S	11.18.25	10:55	0.5	Grab/	1	X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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1	2	11.19.25	3		
4			5		
6					

Revised Date: 08/25/2020 Rev. 2020.2

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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

Work Order No:

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Immoo
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8
Total Containers:		Corrected Temperature:	-4.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-20	S	11.18.25	11:00	1	Grab/	1	X	X	X		X
HA-21	S	11.18.25	11:05	0.5	Grab/	1	X	X	X		X
HA-21	S	11.18.25	11:10	1	Grab/	1	X	X	X		X
HA-22	S	11.18.25	11:15	0.5	Grab/	1	X	X	X		X
HA-22	S	11.18.25	11:20	1	Grab/	1	X	X	X		X
HA-23	S	11.18.25	11:25	0.5	Grab/	1	X	X	X		X
HA-23	S	11.18.25	11:30	1	Grab/	1	X	X	X		X
HA-24	S	11.18.25	11:35	0.5	Grab/	1	X	X	X		X
HA-24	S	11.18.25	11:40	1	Grab/	1	X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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1	2	11.19.25	3		
4			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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11/21/2025

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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

Work Order No: _____

www.xenco.com Page 6 of 6

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719 Email:	gmoreno@earthsys.net, sgiron@earthsys.net	

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ~~ADaPT~~ ☐ ~~Other:~~

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
~~Temp Blank:~~	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	~~Thermometer~~
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8
~~Total Containers:~~		Corrected Temperature:	-4.6

ANALYSIS REQUEST

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
~~Zn Acetate+NaOH: Zn~~
NaOH+Ascorbic Acid: SAPC

~~Sample Identification~~	~~Matrix~~	~~Date Sampled~~	~~Time Sampled~~	~~Depth (feet)~~	~~Grab/ Comp~~	~~# of Cont~~	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-25	S	11.18.25	11:45	0.5	Grab/	1	X	X	X		X
HA-25	S	11.18.25	11:50	1	Grab/	1	X	X	X		X
HA-26	S	11.18.25	11:55	0.5	Grab/	1	X	X	X		X
HA-26	S	11.18.25	12:00	1	Grab/	1	X	X	X		X
HA-27	S	11.18.25	12:05	0.5	Grab/	1	X	X	X		X
HA-27	S	11.18.25	12:10	1	Grab/	1	X	X	X		X
HA-1	S	11.18.25	12:15	14	Grab/	1	X	X	X		X
HA-1	S	11.18.25	12:20	16	Grab/	1	X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	~~Received by: (Signature)~~	~~Date/Time~~
1	2	11-19 8:16	3		
4			5		
6					

Revised Date: 08/25/2020 Rev. 2020.2

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9099-2
SDG Number: Lea County, NM

Login Number: 9099
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Carlsbad

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9099-2
SDG Number: Lea County, NM

Login Number: 9099
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 11/20/25 07:54 AM

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 11/20/2025 2:13:46 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9099-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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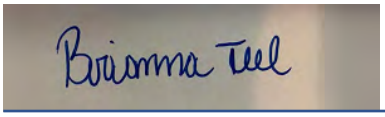
Eurofins Carlsbad

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9099-1
SDG: Lea County, NM

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Method Summary 59
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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Qualifiers

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9099-1
Project: East Loop 20" HP

Job ID: 890-9099-1 Eurofins Carlsbad

Job Narrative
890-9099-1

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

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

Receipt
The samples were received on 11/19/2025 8:16 AM. 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 -4.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 2 (890-9099-1), HA - 2 (890-9099-2), HA - 2 (890-9099-3), HA - 3 (890-9099-4), HA - 3 (890-9099-5), HA - 3 (890-9099-6), HA - 3 (890-9099-7), HA - 3 (890-9099-8), HA - 4 (890-9099-9), HA - 4 (890-9099-10), HA - 4 (890-9099-11), HA - 4 (890-9099-12), HA - 6 (890-9099-13), HA - 6 (890-9099-14), HA - 7 (890-9099-15), HA - 7 (890-9099-16), HA - 7 (890-9099-17), HA - 7 (890-9099-18), HA - 8 (890-9099-19), HA - 8 (890-9099-20), HA - 8 (890-9099-21), HA - 9 (890-9099-22), HA - 9 (890-9099-23), HA - 10 (890-9099-24), HA - 10 (890-9099-25), HA - 11 (890-9099-26), HA - 11 (890-9099-27), HA - 12 (890-9099-28), HA - 13 (890-9099-29), HA - 14 (890-9099-30), HA - 15 (890-9099-31), HA - 16 (890-9099-32), HA - 17 (890-9099-33), HA - 18 (890-9099-34), HA - 19 (890-9099-35), HA - 20 (890-9099-36), HA - 20 (890-9099-37), HA - 21 (890-9099-38), HA - 21 (890-9099-39), HA - 22 (890-9099-40), HA - 22 (890-9099-41), HA - 23 (890-9099-42), HA - 23 (890-9099-43), HA - 24 (890-9099-44), HA - 24 (890-9099-45), HA - 25 (890-9099-46), HA - 25 (890-9099-47), HA - 26 (890-9099-48), HA - 26 (890-9099-49), HA - 27 (890-9099-50), HA - 27 (890-9099-51), HA - 1 (890-9099-52) and HA - 1 (890-9099-53).

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124467/2-A) and (LCSD 880-124467/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Batch preparation batch 880-124467 and analytical batch 880-124440 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another sample, and this test was put on hold at client request. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124467/2-A) and (LCSD 880-124467/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-124468/2-A) and (LCSD 880-124468/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-9099-A-38-C MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 22 (890-9099-40), HA - 23 (890-9099-43), HA - 24 (890-9099-44), HA - 27 (890-9099-51) and HA - 1 (890-9099-52). 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
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9099-1
Project: East Loop 20" HP

Job ID: 890-9099-1 (Continued) Eurofins Carlsbad

880-124457 and analytical batch 880-124484 were outside control limits for Chloride . See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: HA - 2 (890-9099-1), HA - 2 (890-9099-2), (890-9098-A-1-D), (890-9098-A-1-E MS) and (890-9098-A-1-F MSD).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124457 and analytical batch 880-124484 were outside control limits for Chloride . See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: HA - 2 (890-9099-3), HA - 3 (890-9099-4), HA - 3 (890-9099-5), HA - 3 (890-9099-6), HA - 3 (890-9099-7), HA - 3 (890-9099-8), HA - 4 (890-9099-9), HA - 4 (890-9099-10), HA - 4 (890-9099-11), HA - 4 (890-9099-12), HA - 6 (890-9099-13), HA - 6 (890-9099-14), (890-9099-A-8-E MS) and (890-9099-A-8-F MSD).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike (MS) recoveries for preparation batch 880-124458 and analytical batch 880-124517 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The associated samples are: HA - 7 (890-9099-15) and (890-9099-A-15-B MS).

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 2
Lab Sample ID: 890-9099-1
Date Collected: 11/18/25 08:05
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/20/25 00:42	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	<49.6	U	49.6		mg/Kg		11/19/25 18:46	11/20/25 00:42	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/19/25 18:46	11/20/25 00:42	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/19/25 18:46	11/20/25 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/19/25 18:46*	*11/20/25 00:42*	*1*
o-Terphenyl	*123*		*70 - 130*	*11/19/25 18:46*	*11/20/25 00:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8750**		99.4		mg/Kg			11/20/25 10:43	10

Client Sample ID: HA - 2
Lab Sample ID: 890-9099-2
Date Collected: 11/18/25 08:10
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/25 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 00:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 00:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/19/25 18:46*	*11/20/25 00:57*	*1*
o-Terphenyl	*119*		*70 - 130*	*11/19/25 18:46*	*11/20/25 00:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**668**		9.92		mg/Kg			11/20/25 10:48	1

Client Sample ID: HA - 2
Lab Sample ID: 890-9099-3
Date Collected: 11/18/25 08:15
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 01:11	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:15
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 01:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 01:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/19/25 18:46*	*11/20/25 01:11*	*1*
o-Terphenyl	*109*		*70 - 130*	*11/19/25 18:46*	*11/20/25 01:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.7**		9.98		mg/Kg			11/20/25 11:04	1

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:20
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/25 01:27	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	<49.9	U	49.9		mg/Kg		11/19/25 18:46	11/20/25 01:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/19/25 18:46	11/20/25 01:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:46	11/20/25 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/19/25 18:46*	*11/20/25 01:27*	*1*
o-Terphenyl	*120*		*70 - 130*	*11/19/25 18:46*	*11/20/25 01:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.2**		49.7		mg/Kg			11/20/25 11:09	5

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:25
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 01:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 01:41	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:25
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 01:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*11/19/25 18:46*	*11/20/25 01:41*	*1*
o-Terphenyl	*104*		*70 - 130*	*11/19/25 18:46*	*11/20/25 01:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4110**		49.6		mg/Kg			11/20/25 11:15	5

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:30
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/20/25 01:56	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	<50.3	U	50.3		mg/Kg		11/19/25 18:46	11/20/25 01:56	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/19/25 18:46	11/20/25 01:56	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/19/25 18:46	11/20/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/19/25 18:46*	*11/20/25 01:56*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/19/25 18:46*	*11/20/25 01:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2850**		49.9		mg/Kg			11/20/25 11:20	5

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:35
Date Received: 11/19/25 08:16
Sample Depth: 4

Lab Sample ID: 890-9099-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 02:10	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	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 02:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 02:10	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:35
Date Received: 11/19/25 08:16
Sample Depth: 4

Lab Sample ID: 890-9099-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*11/19/25 18:46*	*11/20/25 02:10*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/19/25 18:46*	*11/20/25 02:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4070**		49.8		mg/Kg			11/20/25 11:25	5

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:37
Date Received: 11/19/25 08:16
Sample Depth: 6

Lab Sample ID: 890-9099-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/25 02:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/19/25 18:46	11/20/25 02:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/19/25 18:46	11/20/25 02:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:46	11/20/25 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/19/25 18:46*	*11/20/25 02:40*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/19/25 18:46*	*11/20/25 02:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.5**	**F1**	10.0		mg/Kg			11/20/25 11:53	1

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:40
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/25 07:55	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	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 07:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 07:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 07:55	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:40
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-9
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	11/19/25 18:46	11/20/25 07:55	1
o-Terphenyl	105		70 - 130	11/19/25 18:46	11/20/25 07:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		50.5		mg/Kg			11/20/25 12:09	5

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:45
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/20/25 08:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 08:09	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 08:09	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 08:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	11/19/25 18:46	11/20/25 08:09	1
o-Terphenyl	108		70 - 130	11/19/25 18:46	11/20/25 08:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2940		50.4		mg/Kg			11/20/25 12:14	5

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:50
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 08:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 08:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 08:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	11/19/25 18:46	11/20/25 08:24	1
o-Terphenyl	118		70 - 130	11/19/25 18:46	11/20/25 08:24	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:50
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-11
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	401		9.92		mg/Kg			11/20/25 12:30	1

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:55
Date Received: 11/19/25 08:16
Sample Depth: 4

Lab Sample ID: 890-9099-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/20/25 08:38	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	<49.6	U	49.6		mg/Kg		11/19/25 18:46	11/20/25 08:38	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/19/25 18:46	11/20/25 08:38	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/19/25 18:46	11/20/25 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/19/25 18:46*	*11/20/25 08:38*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/19/25 18:46*	*11/20/25 08:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4350		49.7		mg/Kg			11/20/25 12:35	5

Client Sample ID: HA - 6
Date Collected: 11/18/25 09:00
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 08:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 08:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 08:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*11/19/25 18:46*	*11/20/25 08:52*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/19/25 18:46*	*11/20/25 08:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.1		9.98		mg/Kg			11/20/25 12:41	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-9099-14
Matrix: Solid
Date Collected: 11/18/25 09:05
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 09:07	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	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 09:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 09:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*11/19/25 18:46*	*11/20/25 09:07*	*1*
o-Terphenyl	*104*		*70 - 130*	*11/19/25 18:46*	*11/20/25 09:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		9.92		mg/Kg			11/20/25 12:46	1

Client Sample ID: HA - 7

Lab Sample ID: 890-9099-15
Matrix: Solid
Date Collected: 11/18/25 09:10
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/25 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 09:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 09:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/20/25 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*11/19/25 18:46*	*11/20/25 09:22*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/19/25 18:46*	*11/20/25 09:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3290**	**F1**	49.9		mg/Kg			11/20/25 10:48	5

Client Sample ID: HA - 7

Lab Sample ID: 890-9099-16
Matrix: Solid
Date Collected: 11/18/25 09:15
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 09:36	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:15
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 09:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 09:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:46	11/20/25 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/19/25 18:46*	*11/20/25 09:36*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/19/25 18:46*	*11/20/25 09:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4190**		99.2		mg/Kg			11/20/25 11:06	10

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:20
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/20/25 09:51	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	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 09:51	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 09:51	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 09:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*11/19/25 18:46*	*11/20/25 09:51*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/19/25 18:46*	*11/20/25 09:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		9.92		mg/Kg			11/20/25 11:11	1

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:30
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**66.2**		50.1		mg/Kg			11/20/25 00:13	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	<50.1	U	50.1		mg/Kg		11/19/25 18:50	11/20/25 00:13	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:30
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/19/25 18:50	11/20/25 00:13	1
Oil Range Organics (Over C28-C36)	**66.2**		50.1		mg/Kg		11/19/25 18:50	11/20/25 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/19/25 18:50*	*11/20/25 00:13*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/19/25 18:50*	*11/20/25 00:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5320**		100		mg/Kg			11/20/25 11:17	10

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:35
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 00:28	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	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 00:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 00:28	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/19/25 18:50*	*11/20/25 00:28*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/19/25 18:50*	*11/20/25 00:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**653**		101		mg/Kg			11/20/25 11:23	10

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:40
Date Received: 11/19/25 08:16
Sample Depth: 2

Lab Sample ID: 890-9099-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 00:42	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	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 00:42	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-9099-21
Matrix: Solid
Date Collected: 11/18/25 09:40
Date Received: 11/19/25 08:16
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 00:42	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/19/25 18:50*	*11/20/25 00:42*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/19/25 18:50*	*11/20/25 00:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**370**		49.7		mg/Kg			11/20/25 11:41	5

Client Sample ID: HA - 9

Lab Sample ID: 890-9099-22
Matrix: Solid
Date Collected: 11/18/25 09:45
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/20/25 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 00:57	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 00:57	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*11/19/25 18:50*	*11/20/25 00:57*	*1*
o-Terphenyl	*121*		*70 - 130*	*11/19/25 18:50*	*11/20/25 00:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.4**		9.98		mg/Kg			11/20/25 11:47	1

Client Sample ID: HA - 10

Lab Sample ID: 890-9099-24
Matrix: Solid
Date Collected: 11/18/25 09:55
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/25 01:27	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	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 01:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 01:27	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 10

Date Collected: 11/18/25 09:55
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*11/19/25 18:50*	*11/20/25 01:27*	*1*
o-Terphenyl	*120*		*70 - 130*	*11/19/25 18:50*	*11/20/25 01:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			11/20/25 11:52	1

Client Sample ID: HA - 11

Date Collected: 11/18/25 10:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/25 01:56	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	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 01:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 01:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*11/19/25 18:50*	*11/20/25 01:56*	*1*
o-Terphenyl	*119*		*70 - 130*	*11/19/25 18:50*	*11/20/25 01:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			11/20/25 11:58	1

Client Sample ID: HA - 12

Date Collected: 11/18/25 10:15
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/25 02:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/20/25 02:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/20/25 02:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/20/25 02:40	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 12

Lab Sample ID: 890-9099-28
Matrix: Solid
Date Collected: 11/18/25 10:15
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	11/19/25 18:50	11/20/25 02:40	1
o-Terphenyl	112		70 - 130	11/19/25 18:50	11/20/25 02:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			11/20/25 12:24	1

Client Sample ID: HA - 13

Lab Sample ID: 890-9099-29
Matrix: Solid
Date Collected: 11/18/25 10:20
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/20/25 07:55	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	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 07:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 07:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 07:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	11/19/25 18:50	11/20/25 07:55	1
o-Terphenyl	99		70 - 130	11/19/25 18:50	11/20/25 07:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			11/20/25 12:06	1

Client Sample ID: HA - 14

Lab Sample ID: 890-9099-30
Matrix: Solid
Date Collected: 11/18/25 10:25
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/20/25 08:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		11/19/25 18:50	11/20/25 08:09	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/19/25 18:50	11/20/25 08:09	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/19/25 18:50	11/20/25 08:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	11/19/25 18:50	11/20/25 08:09	1
o-Terphenyl	89		70 - 130	11/19/25 18:50	11/20/25 08:09	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 14
Date Collected: 11/18/25 10:25
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-30
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			11/20/25 12:30	1

Client Sample ID: HA - 15
Date Collected: 11/18/25 10:30
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/19/25 18:50	11/20/25 08:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/19/25 18:50	11/20/25 08:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/19/25 18:50	11/20/25 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/19/25 18:50*	*11/20/25 08:24*	*1*
o-Terphenyl	*87*		*70 - 130*	*11/19/25 18:50*	*11/20/25 08:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.2**		9.92		mg/Kg			11/20/25 12:35	1

Client Sample ID: HA - 16
Date Collected: 11/18/25 10:35
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-32
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/20/25 08:38	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	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 08:38	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 08:38	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/19/25 18:50	11/20/25 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/19/25 18:50*	*11/20/25 08:38*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/19/25 18:50*	*11/20/25 08:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0998	U	0.0998		mg/Kg			11/20/25 12:53	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 17

Lab Sample ID: 890-9099-33
Matrix: Solid
Date Collected: 11/18/25 10:40
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/25 08:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 08:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 08:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:50	11/20/25 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/19/25 18:50*	*11/20/25 08:52*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/19/25 18:50*	*11/20/25 08:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		10.0		mg/Kg			11/20/25 12:59	1

Client Sample ID: HA - 18

Lab Sample ID: 890-9099-34
Matrix: Solid
Date Collected: 11/18/25 10:45
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/25 09:07	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	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/20/25 09:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/20/25 09:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/20/25 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*11/19/25 18:50*	*11/20/25 09:07*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/19/25 18:50*	*11/20/25 09:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.1**		50.5		mg/Kg			11/20/25 13:05	5

Client Sample ID: HA - 19

Lab Sample ID: 890-9099-35
Matrix: Solid
Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 09:22	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 19

Lab Sample ID: 890-9099-35
Matrix: Solid
Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/19/25 18:50	11/20/25 09:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/19/25 18:50	11/20/25 09:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/19/25 18:50	11/20/25 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/19/25 18:50*	*11/20/25 09:22*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/19/25 18:50*	*11/20/25 09:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.3**		10.1		mg/Kg			11/20/25 13:32	1

Client Sample ID: HA - 20

Lab Sample ID: 890-9099-36
Matrix: Solid
Date Collected: 11/18/25 10:55
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/20/25 09:36	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	<50.5	U	50.5		mg/Kg		11/19/25 18:50	11/20/25 09:36	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/19/25 18:50	11/20/25 09:36	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/19/25 18:50	11/20/25 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*11/19/25 18:50*	*11/20/25 09:36*	*1*
o-Terphenyl	*115*		*70 - 130*	*11/19/25 18:50*	*11/20/25 09:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.3**		10.0		mg/Kg			11/20/25 10:55	1

Client Sample ID: HA - 20

Lab Sample ID: 890-9099-37
Matrix: Solid
Date Collected: 11/18/25 11:00
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 09:51	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	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 09:51	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 20

Lab Sample ID: 890-9099-37
Matrix: Solid
Date Collected: 11/18/25 11:00
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 09:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:50	11/20/25 09:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/19/25 18:50*	*11/20/25 09:51*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/19/25 18:50*	*11/20/25 09:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.1**		10.1		mg/Kg			11/20/25 11:10	1

Client Sample ID: HA - 21

Lab Sample ID: 890-9099-38
Matrix: Solid
Date Collected: 11/18/25 11:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/25 03:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 03:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 03:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*11/19/25 18:53*	*11/20/25 03:12*	*1*
o-Terphenyl	*79*		*70 - 130*	*11/19/25 18:53*	*11/20/25 03:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			11/20/25 11:16	1

Client Sample ID: HA - 21

Lab Sample ID: 890-9099-39
Matrix: Solid
Date Collected: 11/18/25 11:10
Date Received: 11/19/25 08:16
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/20/25 03:59	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	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 03:59	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 03:59	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 21
Date Collected: 11/18/25 11:10
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-39
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/19/25 18:53*	*11/20/25 03:59*	*1*
o-Terphenyl	*123*		*70 - 130*	*11/19/25 18:53*	*11/20/25 03:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		9.98		mg/Kg			11/20/25 11:21	1

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:15
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-40
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/20/25 04:14	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	<49.6	U	49.6		mg/Kg		11/19/25 18:53	11/20/25 04:14	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/19/25 18:53	11/20/25 04:14	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/19/25 18:53	11/20/25 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/19/25 18:53*	*11/20/25 04:14*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*11/19/25 18:53*	*11/20/25 04:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.1**		9.94		mg/Kg			11/20/25 11:26	1

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:20
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-41
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 04:30	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	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 04:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 04:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 04:30	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:20
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-41
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	11/19/25 18:53	11/20/25 04:30	1
o-Terphenyl	112		70 - 130	11/19/25 18:53	11/20/25 04:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.6		9.92		mg/Kg			11/20/25 11:42	1

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:25
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-42
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 04:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 04:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 04:45	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 04:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	11/19/25 18:53	11/20/25 04:45	1
o-Terphenyl	101		70 - 130	11/19/25 18:53	11/20/25 04:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/20/25 11:47	1

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:30
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-43
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/25 05:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 05:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 05:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 05:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	11/19/25 18:53	11/20/25 05:01	1
o-Terphenyl	134	S1+	70 - 130	11/19/25 18:53	11/20/25 05:01	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:30
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-43
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			11/20/25 11:52	1

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:35
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-44
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 05:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 05:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 05:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*175*	*S1+*	*70 - 130*	*11/19/25 18:53*	*11/20/25 05:16*	*1*
o-Terphenyl	*205*	*S1+*	*70 - 130*	*11/19/25 18:53*	*11/20/25 05:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			11/20/25 11:58	1

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:40
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-45
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/20/25 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/19/25 18:53	11/20/25 05:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/19/25 18:53	11/20/25 05:32	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/19/25 18:53	11/20/25 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/19/25 18:53*	*11/20/25 05:32*	*1*
o-Terphenyl	*128*		*70 - 130*	*11/19/25 18:53*	*11/20/25 05:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			11/20/25 12:03	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 25
Date Collected: 11/18/25 11:45
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-46
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/20/25 05:47	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	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 05:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 05:47	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*11/19/25 18:53*	*11/20/25 05:47*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/19/25 18:53*	*11/20/25 05:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		10.0		mg/Kg			11/20/25 12:08	1

Client Sample ID: HA - 25
Date Collected: 11/18/25 11:50
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-47
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/20/25 06:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 06:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 06:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/19/25 18:53	11/20/25 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/19/25 18:53*	*11/20/25 06:03*	*1*
o-Terphenyl	*124*		*70 - 130*	*11/19/25 18:53*	*11/20/25 06:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			11/20/25 12:24	1

Client Sample ID: HA - 26
Date Collected: 11/18/25 11:55
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-48
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 06:33	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 26
Date Collected: 11/18/25 11:55
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-48
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 06:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 06:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/19/25 18:53*	*11/20/25 06:33*	*1*
o-Terphenyl	*112*		*70 - 130*	*11/19/25 18:53*	*11/20/25 06:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			11/20/25 12:29	1

Client Sample ID: HA - 26
Date Collected: 11/18/25 12:00
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-49
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/20/25 06:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/19/25 18:53	11/20/25 06:48	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/19/25 18:53	11/20/25 06:48	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/19/25 18:53	11/20/25 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/19/25 18:53*	*11/20/25 06:48*	*1*
o-Terphenyl	*119*		*70 - 130*	*11/19/25 18:53*	*11/20/25 06:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			11/20/25 12:45	1

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-50
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/25 07:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 07:03	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:05
Date Received: 11/19/25 08:16
Sample Depth: 0.5

Lab Sample ID: 890-9099-50
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 07:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:53	11/20/25 07:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*11/19/25 18:53*	*11/20/25 07:03*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/19/25 18:53*	*11/20/25 07:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			11/20/25 12:50	1

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:10
Date Received: 11/19/25 08:16
Sample Depth: 1

Lab Sample ID: 890-9099-51
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/25 07:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/19/25 18:53	11/20/25 07:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:53	11/20/25 07:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:53	11/20/25 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*212*	*S1+*	*70 - 130*	*11/19/25 18:53*	*11/20/25 07:18*	*1*
o-Terphenyl	*252*	*S1+*	*70 - 130*	*11/19/25 18:53*	*11/20/25 07:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			11/20/25 12:55	1

Client Sample ID: HA - 1
Date Collected: 11/18/25 12:15
Date Received: 11/19/25 08:16
Sample Depth: 14

Lab Sample ID: 890-9099-52
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 07:33	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	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 07:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 07:33	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-9099-52
Matrix: Solid
Date Collected: 11/18/25 12:15
Date Received: 11/19/25 08:16
Sample Depth: 14

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)	<49.8	U	49.8		mg/Kg		11/19/25 18:53	11/20/25 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/19/25 18:53*	*11/20/25 07:33*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*11/19/25 18:53*	*11/20/25 07:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**465**		9.94		mg/Kg			11/20/25 13:01	1

Client Sample ID: HA - 1

Lab Sample ID: 890-9099-53
Matrix: Solid
Date Collected: 11/18/25 12:20
Date Received: 11/19/25 08:16
Sample Depth: 16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/20/25 07:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 07:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 07:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/19/25 18:53	11/20/25 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/19/25 18:53*	*11/20/25 07:48*	*1*
o-Terphenyl	*109*		*70 - 130*	*11/19/25 18:53*	*11/20/25 07:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**396**		10.0		mg/Kg			11/20/25 13:06	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-9099-1	HA - 2	100	123										
890-9099-2	HA - 2	94	119										
890-9099-3	HA - 2	90	109										
890-9099-4	HA - 3	96	120										
890-9099-5	HA - 3	86	104										
890-9099-6	HA - 3	92	111										
890-9099-7	HA - 3	82	102										
890-9099-8	HA - 3	84	106										
890-9099-9	HA - 4	84	105										
890-9099-10	HA - 4	87	108										
890-9099-11	HA - 4	99	118										
890-9099-12	HA - 4	84	105										
890-9099-13	HA - 6	85	100										
890-9099-14	HA - 6	81	104										
890-9099-15	HA - 7	74	93										
890-9099-16	HA - 7	84	103										
890-9099-17	HA - 7	80	100										
890-9099-19	HA - 8	106	105										
890-9099-20	HA - 8	92	95										
890-9099-21	HA - 8	100	100										
890-9099-22	HA - 9	125	121										
890-9099-24	HA - 10	121	120										
890-9099-26	HA - 11	126	119										
890-9099-28	HA - 12	117	112										
890-9099-29	HA - 13	95	99										
890-9099-30	HA - 14	91	89										
890-9099-31	HA - 15	84	87										
890-9099-32	HA - 16	105	106										
890-9099-33	HA - 17	106	100										
890-9099-34	HA - 18	116	111										
890-9099-35	HA - 19	98	96										
890-9099-36	HA - 20	120	115										
890-9099-37	HA - 20	102	98										
890-9099-38	HA - 21	76	79										
890-9099-38 MS	HA - 21	102	131 S1+										
890-9099-38 MSD	HA - 21	92	111										
890-9099-39	HA - 21	97	123										
890-9099-40	HA - 22	112	133 S1+										
890-9099-41	HA - 22	92	112										
890-9099-42	HA - 23	85	101										
890-9099-43	HA - 23	102	134 S1+										
890-9099-44	HA - 24	175 S1+	205 S1+										
890-9099-45	HA - 24	98	128										
890-9099-46	HA - 25	87	94										
890-9099-47	HA - 25	90	124										
890-9099-48	HA - 26	97	112										
890-9099-49	HA - 26	96	119										
890-9099-50	HA - 27	86	95										
890-9099-51	HA - 27	212 S1+	252 S1+										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9099-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-9099-52	HA - 1	105	142 S1+										
890-9099-53	HA - 1	97	109										
LCS 880-124466/2-A	Lab Control Sample	99	103										
LCS 880-124467/2-A	Lab Control Sample	28 S1-	15 S1-										
LCS 880-124468/2-A	Lab Control Sample	17 S1-	24 S1-										
LCSD 880-124466/3-A	Lab Control Sample Dup	97	102										
LCSD 880-124467/3-A	Lab Control Sample Dup	30 S1-	18 S1-										
LCSD 880-124468/3-A	Lab Control Sample Dup	17 S1-	23 S1-										
MB 880-124466/1-A	Method Blank	84	100										
MB 880-124467/1-A	Method Blank	112	107										
MB 880-124468/1-A	Method Blank	110	111										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-124466/1-A
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/19/25 22:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/19/25 22:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/19/25 22:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/19/25 18:46*	*11/19/25 22:46*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/19/25 18:46*	*11/19/25 22:46*	*1*

Lab Sample ID: LCS 880-124466/2-A
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124466

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	702.0		mg/Kg		70	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	788.0		mg/Kg		79	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-124466/3-A
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124466

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	767.4		mg/Kg		77	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	783.3		mg/Kg		78	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: MB 880-124467/1-A
Matrix: Solid
Analysis Batch: 124440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/19/25 22:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/19/25 22:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:50	11/19/25 22:46	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-124467/1-A
Matrix: Solid
Analysis Batch: 124440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124467

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	11/19/25 18:50	11/19/25 22:46	1
o-Terphenyl	107		70 - 130	11/19/25 18:50	11/19/25 22:46	1

Lab Sample ID: LCS 880-124467/2-A
Matrix: Solid
Analysis Batch: 124440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124467

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	773.1		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	918.9		mg/Kg		92	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	28	S1-	70 - 130
o-Terphenyl	15	S1-	70 - 130

Lab Sample ID: LCSD 880-124467/3-A
Matrix: Solid
Analysis Batch: 124440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124467

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	818.6		mg/Kg		82	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	990.7		mg/Kg		99	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	30	S1-	70 - 130
o-Terphenyl	18	S1-	70 - 130

Lab Sample ID: MB 880-124468/1-A
Matrix: Solid
Analysis Batch: 124413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/19/25 18:53	11/20/25 02:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:53	11/20/25 02:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:53	11/20/25 02:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	11/19/25 18:53	11/20/25 02:11	1
o-Terphenyl	111		70 - 130	11/19/25 18:53	11/20/25 02:11	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-124468/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124413 — **Prep Batch: 124468**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1236		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1188		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*17*	*S1-*	*70 - 130*
o-Terphenyl	*24*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-124468/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124413 — **Prep Batch: 124468**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1250		mg/Kg		125	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1170		mg/Kg		117	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*17*	*S1-*	*70 - 130*
o-Terphenyl	*23*	*S1-*	*70 - 130*

Lab Sample ID: 890-9099-38 MS — **Client Sample ID: HA - 21**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124413 — **Prep Batch: 124468**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	958.5		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1016		mg/Kg		102	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*131*	*S1+*	*70 - 130*

Lab Sample ID: 890-9099-38 MSD — **Client Sample ID: HA - 21**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124413 — **Prep Batch: 124468**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	866.6		mg/Kg		87	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	862.5		mg/Kg		86	70 - 130	16	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9099-38 MSD
Matrix: Solid
Analysis Batch: 124413

Client Sample ID: HA - 21
Prep Type: Total/NA
Prep Batch: 124468

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	111		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124457/1-A
Matrix: Solid
Analysis Batch: 124484

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/20/25 09:44	1

Lab Sample ID: LCS 880-124457/2-A
Matrix: Solid
Analysis Batch: 124484

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	269.2		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-124457/3-A
Matrix: Solid
Analysis Batch: 124484

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	265.7		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 890-9099-8 MS
Matrix: Solid
Analysis Batch: 124484

Client Sample ID: HA - 3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	71.5	F1	251	266.3	F1	mg/Kg		78	90 - 110		

Lab Sample ID: 890-9099-8 MSD
Matrix: Solid
Analysis Batch: 124484

Client Sample ID: HA - 3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	71.5	F1	251	263.8	F1	mg/Kg		77	90 - 110	1	20

Lab Sample ID: MB 880-124460/1-A
Matrix: Solid
Analysis Batch: 124501

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/20/25 10:39	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-124460/2-A
Matrix: Solid
Analysis Batch: 124501

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.3		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-124460/3-A
Matrix: Solid
Analysis Batch: 124501

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	240.2		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-9099-36 MS
Matrix: Solid
Analysis Batch: 124501

Client Sample ID: HA - 20
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	17.3		251	256.3		mg/Kg		95	90 - 110		

Lab Sample ID: 890-9099-36 MSD
Matrix: Solid
Analysis Batch: 124501

Client Sample ID: HA - 20
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17.3		251	257.8		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-9099-46 MS
Matrix: Solid
Analysis Batch: 124501

Client Sample ID: HA - 25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	10.6		251	253.1		mg/Kg		97	90 - 110		

Lab Sample ID: 890-9099-46 MSD
Matrix: Solid
Analysis Batch: 124501

Client Sample ID: HA - 25
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.6		251	253.6		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-124458/1-A
Matrix: Solid
Analysis Batch: 124517

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/20/25 10:30	1

Lab Sample ID: LCS 880-124458/2-A
Matrix: Solid
Analysis Batch: 124517

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	231.7		mg/Kg		93	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-124458/3-A
Matrix: Solid
Analysis Batch: 124517

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	227.7		mg/Kg		91	90 - 110	2	20

Lab Sample ID: 890-9099-15 MS
Matrix: Solid
Analysis Batch: 124517

Client Sample ID: HA - 7
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3290	F1	1250	4687	F1	mg/Kg		112	90 - 110

Lab Sample ID: 890-9099-15 MSD
Matrix: Solid
Analysis Batch: 124517

Client Sample ID: HA - 7
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3290	F1	1250	4611		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 890-9099-29 MS
Matrix: Solid
Analysis Batch: 124517

Client Sample ID: HA - 13
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.96	U	249	245.2		mg/Kg		95	90 - 110

Lab Sample ID: 890-9099-29 MSD
Matrix: Solid
Analysis Batch: 124517

Client Sample ID: HA - 13
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.96	U	249	242.4		mg/Kg		94	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 124413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-38	HA - 21	Total/NA	Solid	8015B NM	124468
890-9099-39	HA - 21	Total/NA	Solid	8015B NM	124468
890-9099-40	HA - 22	Total/NA	Solid	8015B NM	124468
890-9099-41	HA - 22	Total/NA	Solid	8015B NM	124468
890-9099-42	HA - 23	Total/NA	Solid	8015B NM	124468
890-9099-43	HA - 23	Total/NA	Solid	8015B NM	124468
890-9099-44	HA - 24	Total/NA	Solid	8015B NM	124468
890-9099-45	HA - 24	Total/NA	Solid	8015B NM	124468
890-9099-46	HA - 25	Total/NA	Solid	8015B NM	124468
890-9099-47	HA - 25	Total/NA	Solid	8015B NM	124468
890-9099-48	HA - 26	Total/NA	Solid	8015B NM	124468
890-9099-49	HA - 26	Total/NA	Solid	8015B NM	124468
890-9099-50	HA - 27	Total/NA	Solid	8015B NM	124468
890-9099-51	HA - 27	Total/NA	Solid	8015B NM	124468
890-9099-52	HA - 1	Total/NA	Solid	8015B NM	124468
890-9099-53	HA - 1	Total/NA	Solid	8015B NM	124468
MB 880-124468/1-A	Method Blank	Total/NA	Solid	8015B NM	124468
LCS 880-124468/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124468
LCSD 880-124468/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124468
890-9099-38 MS	HA - 21	Total/NA	Solid	8015B NM	124468
890-9099-38 MSD	HA - 21	Total/NA	Solid	8015B NM	124468

Analysis Batch: 124440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-19	HA - 8	Total/NA	Solid	8015B NM	124467
890-9099-20	HA - 8	Total/NA	Solid	8015B NM	124467
890-9099-21	HA - 8	Total/NA	Solid	8015B NM	124467
890-9099-22	HA - 9	Total/NA	Solid	8015B NM	124467
890-9099-24	HA - 10	Total/NA	Solid	8015B NM	124467
890-9099-26	HA - 11	Total/NA	Solid	8015B NM	124467
890-9099-28	HA - 12	Total/NA	Solid	8015B NM	124467
890-9099-29	HA - 13	Total/NA	Solid	8015B NM	124467
890-9099-30	HA - 14	Total/NA	Solid	8015B NM	124467
890-9099-31	HA - 15	Total/NA	Solid	8015B NM	124467
890-9099-32	HA - 16	Total/NA	Solid	8015B NM	124467
890-9099-33	HA - 17	Total/NA	Solid	8015B NM	124467
890-9099-34	HA - 18	Total/NA	Solid	8015B NM	124467
890-9099-35	HA - 19	Total/NA	Solid	8015B NM	124467
890-9099-36	HA - 20	Total/NA	Solid	8015B NM	124467
890-9099-37	HA - 20	Total/NA	Solid	8015B NM	124467
MB 880-124467/1-A	Method Blank	Total/NA	Solid	8015B NM	124467
LCS 880-124467/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124467
LCSD 880-124467/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124467

Analysis Batch: 124442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-1	HA - 2	Total/NA	Solid	8015B NM	124466
890-9099-2	HA - 2	Total/NA	Solid	8015B NM	124466
890-9099-3	HA - 2	Total/NA	Solid	8015B NM	124466
890-9099-4	HA - 3	Total/NA	Solid	8015B NM	124466
890-9099-5	HA - 3	Total/NA	Solid	8015B NM	124466

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 124442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-6	HA - 3	Total/NA	Solid	8015B NM	124466
890-9099-7	HA - 3	Total/NA	Solid	8015B NM	124466
890-9099-8	HA - 3	Total/NA	Solid	8015B NM	124466
890-9099-9	HA - 4	Total/NA	Solid	8015B NM	124466
890-9099-10	HA - 4	Total/NA	Solid	8015B NM	124466
890-9099-11	HA - 4	Total/NA	Solid	8015B NM	124466
890-9099-12	HA - 4	Total/NA	Solid	8015B NM	124466
890-9099-13	HA - 6	Total/NA	Solid	8015B NM	124466
890-9099-14	HA - 6	Total/NA	Solid	8015B NM	124466
890-9099-15	HA - 7	Total/NA	Solid	8015B NM	124466
890-9099-16	HA - 7	Total/NA	Solid	8015B NM	124466
890-9099-17	HA - 7	Total/NA	Solid	8015B NM	124466
MB 880-124466/1-A	Method Blank	Total/NA	Solid	8015B NM	124466
LCS 880-124466/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124466
LCSD 880-124466/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124466

Prep Batch: 124466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-1	HA - 2	Total/NA	Solid	8015NM Prep	
890-9099-2	HA - 2	Total/NA	Solid	8015NM Prep	
890-9099-3	HA - 2	Total/NA	Solid	8015NM Prep	
890-9099-4	HA - 3	Total/NA	Solid	8015NM Prep	
890-9099-5	HA - 3	Total/NA	Solid	8015NM Prep	
890-9099-6	HA - 3	Total/NA	Solid	8015NM Prep	
890-9099-7	HA - 3	Total/NA	Solid	8015NM Prep	
890-9099-8	HA - 3	Total/NA	Solid	8015NM Prep	
890-9099-9	HA - 4	Total/NA	Solid	8015NM Prep	
890-9099-10	HA - 4	Total/NA	Solid	8015NM Prep	
890-9099-11	HA - 4	Total/NA	Solid	8015NM Prep	
890-9099-12	HA - 4	Total/NA	Solid	8015NM Prep	
890-9099-13	HA - 6	Total/NA	Solid	8015NM Prep	
890-9099-14	HA - 6	Total/NA	Solid	8015NM Prep	
890-9099-15	HA - 7	Total/NA	Solid	8015NM Prep	
890-9099-16	HA - 7	Total/NA	Solid	8015NM Prep	
890-9099-17	HA - 7	Total/NA	Solid	8015NM Prep	
MB 880-124466/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124466/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124466/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 124467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-19	HA - 8	Total/NA	Solid	8015NM Prep	
890-9099-20	HA - 8	Total/NA	Solid	8015NM Prep	
890-9099-21	HA - 8	Total/NA	Solid	8015NM Prep	
890-9099-22	HA - 9	Total/NA	Solid	8015NM Prep	
890-9099-24	HA - 10	Total/NA	Solid	8015NM Prep	
890-9099-26	HA - 11	Total/NA	Solid	8015NM Prep	
890-9099-28	HA - 12	Total/NA	Solid	8015NM Prep	
890-9099-29	HA - 13	Total/NA	Solid	8015NM Prep	
890-9099-30	HA - 14	Total/NA	Solid	8015NM Prep	
890-9099-31	HA - 15	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 124467 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-32	HA - 16	Total/NA	Solid	8015NM Prep	
890-9099-33	HA - 17	Total/NA	Solid	8015NM Prep	
890-9099-34	HA - 18	Total/NA	Solid	8015NM Prep	
890-9099-35	HA - 19	Total/NA	Solid	8015NM Prep	
890-9099-36	HA - 20	Total/NA	Solid	8015NM Prep	
890-9099-37	HA - 20	Total/NA	Solid	8015NM Prep	
MB 880-124467/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124467/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124467/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 124468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-38	HA - 21	Total/NA	Solid	8015NM Prep	
890-9099-39	HA - 21	Total/NA	Solid	8015NM Prep	
890-9099-40	HA - 22	Total/NA	Solid	8015NM Prep	
890-9099-41	HA - 22	Total/NA	Solid	8015NM Prep	
890-9099-42	HA - 23	Total/NA	Solid	8015NM Prep	
890-9099-43	HA - 23	Total/NA	Solid	8015NM Prep	
890-9099-44	HA - 24	Total/NA	Solid	8015NM Prep	
890-9099-45	HA - 24	Total/NA	Solid	8015NM Prep	
890-9099-46	HA - 25	Total/NA	Solid	8015NM Prep	
890-9099-47	HA - 25	Total/NA	Solid	8015NM Prep	
890-9099-48	HA - 26	Total/NA	Solid	8015NM Prep	
890-9099-49	HA - 26	Total/NA	Solid	8015NM Prep	
890-9099-50	HA - 27	Total/NA	Solid	8015NM Prep	
890-9099-51	HA - 27	Total/NA	Solid	8015NM Prep	
890-9099-52	HA - 1	Total/NA	Solid	8015NM Prep	
890-9099-53	HA - 1	Total/NA	Solid	8015NM Prep	
MB 880-124468/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124468/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124468/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9099-38 MS	HA - 21	Total/NA	Solid	8015NM Prep	
890-9099-38 MSD	HA - 21	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-1	HA - 2	Total/NA	Solid	8015 NM	
890-9099-2	HA - 2	Total/NA	Solid	8015 NM	
890-9099-3	HA - 2	Total/NA	Solid	8015 NM	
890-9099-4	HA - 3	Total/NA	Solid	8015 NM	
890-9099-5	HA - 3	Total/NA	Solid	8015 NM	
890-9099-6	HA - 3	Total/NA	Solid	8015 NM	
890-9099-7	HA - 3	Total/NA	Solid	8015 NM	
890-9099-8	HA - 3	Total/NA	Solid	8015 NM	
890-9099-9	HA - 4	Total/NA	Solid	8015 NM	
890-9099-10	HA - 4	Total/NA	Solid	8015 NM	
890-9099-11	HA - 4	Total/NA	Solid	8015 NM	
890-9099-12	HA - 4	Total/NA	Solid	8015 NM	
890-9099-13	HA - 6	Total/NA	Solid	8015 NM	
890-9099-14	HA - 6	Total/NA	Solid	8015 NM	
890-9099-15	HA - 7	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 124537 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-16	HA - 7	Total/NA	Solid	8015 NM	
890-9099-17	HA - 7	Total/NA	Solid	8015 NM	
890-9099-19	HA - 8	Total/NA	Solid	8015 NM	
890-9099-20	HA - 8	Total/NA	Solid	8015 NM	
890-9099-21	HA - 8	Total/NA	Solid	8015 NM	
890-9099-22	HA - 9	Total/NA	Solid	8015 NM	
890-9099-24	HA - 10	Total/NA	Solid	8015 NM	
890-9099-26	HA - 11	Total/NA	Solid	8015 NM	
890-9099-28	HA - 12	Total/NA	Solid	8015 NM	
890-9099-29	HA - 13	Total/NA	Solid	8015 NM	
890-9099-30	HA - 14	Total/NA	Solid	8015 NM	
890-9099-31	HA - 15	Total/NA	Solid	8015 NM	
890-9099-32	HA - 16	Total/NA	Solid	8015 NM	
890-9099-33	HA - 17	Total/NA	Solid	8015 NM	
890-9099-34	HA - 18	Total/NA	Solid	8015 NM	
890-9099-35	HA - 19	Total/NA	Solid	8015 NM	
890-9099-36	HA - 20	Total/NA	Solid	8015 NM	
890-9099-37	HA - 20	Total/NA	Solid	8015 NM	
890-9099-38	HA - 21	Total/NA	Solid	8015 NM	
890-9099-39	HA - 21	Total/NA	Solid	8015 NM	
890-9099-40	HA - 22	Total/NA	Solid	8015 NM	
890-9099-41	HA - 22	Total/NA	Solid	8015 NM	
890-9099-42	HA - 23	Total/NA	Solid	8015 NM	
890-9099-43	HA - 23	Total/NA	Solid	8015 NM	
890-9099-44	HA - 24	Total/NA	Solid	8015 NM	
890-9099-45	HA - 24	Total/NA	Solid	8015 NM	
890-9099-46	HA - 25	Total/NA	Solid	8015 NM	
890-9099-47	HA - 25	Total/NA	Solid	8015 NM	
890-9099-48	HA - 26	Total/NA	Solid	8015 NM	
890-9099-49	HA - 26	Total/NA	Solid	8015 NM	
890-9099-50	HA - 27	Total/NA	Solid	8015 NM	
890-9099-51	HA - 27	Total/NA	Solid	8015 NM	
890-9099-52	HA - 1	Total/NA	Solid	8015 NM	
890-9099-53	HA - 1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 124457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-1	HA - 2	Soluble	Solid	DI Leach	
890-9099-2	HA - 2	Soluble	Solid	DI Leach	
890-9099-3	HA - 2	Soluble	Solid	DI Leach	
890-9099-4	HA - 3	Soluble	Solid	DI Leach	
890-9099-5	HA - 3	Soluble	Solid	DI Leach	
890-9099-6	HA - 3	Soluble	Solid	DI Leach	
890-9099-7	HA - 3	Soluble	Solid	DI Leach	
890-9099-8	HA - 3	Soluble	Solid	DI Leach	
890-9099-9	HA - 4	Soluble	Solid	DI Leach	
890-9099-10	HA - 4	Soluble	Solid	DI Leach	
890-9099-11	HA - 4	Soluble	Solid	DI Leach	
890-9099-12	HA - 4	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 124457 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-13	HA - 6	Soluble	Solid	DI Leach	
890-9099-14	HA - 6	Soluble	Solid	DI Leach	
MB 880-124457/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124457/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124457/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9099-8 MS	HA - 3	Soluble	Solid	DI Leach	
890-9099-8 MSD	HA - 3	Soluble	Solid	DI Leach	

Leach Batch: 124458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-15	HA - 7	Soluble	Solid	DI Leach	
890-9099-16	HA - 7	Soluble	Solid	DI Leach	
890-9099-17	HA - 7	Soluble	Solid	DI Leach	
890-9099-19	HA - 8	Soluble	Solid	DI Leach	
890-9099-20	HA - 8	Soluble	Solid	DI Leach	
890-9099-21	HA - 8	Soluble	Solid	DI Leach	
890-9099-22	HA - 9	Soluble	Solid	DI Leach	
890-9099-24	HA - 10	Soluble	Solid	DI Leach	
890-9099-26	HA - 11	Soluble	Solid	DI Leach	
890-9099-28	HA - 12	Soluble	Solid	DI Leach	
890-9099-29	HA - 13	Soluble	Solid	DI Leach	
890-9099-30	HA - 14	Soluble	Solid	DI Leach	
890-9099-31	HA - 15	Soluble	Solid	DI Leach	
890-9099-32	HA - 16	Soluble	Solid	DI Leach	
890-9099-33	HA - 17	Soluble	Solid	DI Leach	
890-9099-34	HA - 18	Soluble	Solid	DI Leach	
890-9099-35	HA - 19	Soluble	Solid	DI Leach	
MB 880-124458/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124458/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124458/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9099-15 MS	HA - 7	Soluble	Solid	DI Leach	
890-9099-15 MSD	HA - 7	Soluble	Solid	DI Leach	
890-9099-29 MS	HA - 13	Soluble	Solid	DI Leach	
890-9099-29 MSD	HA - 13	Soluble	Solid	DI Leach	

Leach Batch: 124460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-36	HA - 20	Soluble	Solid	DI Leach	
890-9099-37	HA - 20	Soluble	Solid	DI Leach	
890-9099-38	HA - 21	Soluble	Solid	DI Leach	
890-9099-39	HA - 21	Soluble	Solid	DI Leach	
890-9099-40	HA - 22	Soluble	Solid	DI Leach	
890-9099-41	HA - 22	Soluble	Solid	DI Leach	
890-9099-42	HA - 23	Soluble	Solid	DI Leach	
890-9099-43	HA - 23	Soluble	Solid	DI Leach	
890-9099-44	HA - 24	Soluble	Solid	DI Leach	
890-9099-45	HA - 24	Soluble	Solid	DI Leach	
890-9099-46	HA - 25	Soluble	Solid	DI Leach	
890-9099-47	HA - 25	Soluble	Solid	DI Leach	
890-9099-48	HA - 26	Soluble	Solid	DI Leach	
890-9099-49	HA - 26	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 124460 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-50	HA - 27	Soluble	Solid	DI Leach	
890-9099-51	HA - 27	Soluble	Solid	DI Leach	
890-9099-52	HA - 1	Soluble	Solid	DI Leach	
890-9099-53	HA - 1	Soluble	Solid	DI Leach	
MB 880-124460/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124460/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124460/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9099-36 MS	HA - 20	Soluble	Solid	DI Leach	
890-9099-36 MSD	HA - 20	Soluble	Solid	DI Leach	
890-9099-46 MS	HA - 25	Soluble	Solid	DI Leach	
890-9099-46 MSD	HA - 25	Soluble	Solid	DI Leach	

Analysis Batch: 124484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-1	HA - 2	Soluble	Solid	300.0	124457
890-9099-2	HA - 2	Soluble	Solid	300.0	124457
890-9099-3	HA - 2	Soluble	Solid	300.0	124457
890-9099-4	HA - 3	Soluble	Solid	300.0	124457
890-9099-5	HA - 3	Soluble	Solid	300.0	124457
890-9099-6	HA - 3	Soluble	Solid	300.0	124457
890-9099-7	HA - 3	Soluble	Solid	300.0	124457
890-9099-8	HA - 3	Soluble	Solid	300.0	124457
890-9099-9	HA - 4	Soluble	Solid	300.0	124457
890-9099-10	HA - 4	Soluble	Solid	300.0	124457
890-9099-11	HA - 4	Soluble	Solid	300.0	124457
890-9099-12	HA - 4	Soluble	Solid	300.0	124457
890-9099-13	HA - 6	Soluble	Solid	300.0	124457
890-9099-14	HA - 6	Soluble	Solid	300.0	124457
MB 880-124457/1-A	Method Blank	Soluble	Solid	300.0	124457
LCS 880-124457/2-A	Lab Control Sample	Soluble	Solid	300.0	124457
LCSD 880-124457/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124457
890-9099-8 MS	HA - 3	Soluble	Solid	300.0	124457
890-9099-8 MSD	HA - 3	Soluble	Solid	300.0	124457

Analysis Batch: 124501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-36	HA - 20	Soluble	Solid	300.0	124460
890-9099-37	HA - 20	Soluble	Solid	300.0	124460
890-9099-38	HA - 21	Soluble	Solid	300.0	124460
890-9099-39	HA - 21	Soluble	Solid	300.0	124460
890-9099-40	HA - 22	Soluble	Solid	300.0	124460
890-9099-41	HA - 22	Soluble	Solid	300.0	124460
890-9099-42	HA - 23	Soluble	Solid	300.0	124460
890-9099-43	HA - 23	Soluble	Solid	300.0	124460
890-9099-44	HA - 24	Soluble	Solid	300.0	124460
890-9099-45	HA - 24	Soluble	Solid	300.0	124460
890-9099-46	HA - 25	Soluble	Solid	300.0	124460
890-9099-47	HA - 25	Soluble	Solid	300.0	124460
890-9099-48	HA - 26	Soluble	Solid	300.0	124460
890-9099-49	HA - 26	Soluble	Solid	300.0	124460
890-9099-50	HA - 27	Soluble	Solid	300.0	124460

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 124501 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-51	HA - 27	Soluble	Solid	300.0	124460
890-9099-52	HA - 1	Soluble	Solid	300.0	124460
890-9099-53	HA - 1	Soluble	Solid	300.0	124460
MB 880-124460/1-A	Method Blank	Soluble	Solid	300.0	124460
LCS 880-124460/2-A	Lab Control Sample	Soluble	Solid	300.0	124460
LCSD 880-124460/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124460
890-9099-36 MS	HA - 20	Soluble	Solid	300.0	124460
890-9099-36 MSD	HA - 20	Soluble	Solid	300.0	124460
890-9099-46 MS	HA - 25	Soluble	Solid	300.0	124460
890-9099-46 MSD	HA - 25	Soluble	Solid	300.0	124460

Analysis Batch: 124517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9099-15	HA - 7	Soluble	Solid	300.0	124458
890-9099-16	HA - 7	Soluble	Solid	300.0	124458
890-9099-17	HA - 7	Soluble	Solid	300.0	124458
890-9099-19	HA - 8	Soluble	Solid	300.0	124458
890-9099-20	HA - 8	Soluble	Solid	300.0	124458
890-9099-21	HA - 8	Soluble	Solid	300.0	124458
890-9099-22	HA - 9	Soluble	Solid	300.0	124458
890-9099-24	HA - 10	Soluble	Solid	300.0	124458
890-9099-26	HA - 11	Soluble	Solid	300.0	124458
890-9099-28	HA - 12	Soluble	Solid	300.0	124458
890-9099-29	HA - 13	Soluble	Solid	300.0	124458
890-9099-30	HA - 14	Soluble	Solid	300.0	124458
890-9099-31	HA - 15	Soluble	Solid	300.0	124458
890-9099-32	HA - 16	Soluble	Solid	300.0	124458
890-9099-33	HA - 17	Soluble	Solid	300.0	124458
890-9099-34	HA - 18	Soluble	Solid	300.0	124458
890-9099-35	HA - 19	Soluble	Solid	300.0	124458
MB 880-124458/1-A	Method Blank	Soluble	Solid	300.0	124458
LCS 880-124458/2-A	Lab Control Sample	Soluble	Solid	300.0	124458
LCSD 880-124458/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124458
890-9099-15 MS	HA - 7	Soluble	Solid	300.0	124458
890-9099-15 MSD	HA - 7	Soluble	Solid	300.0	124458
890-9099-29 MS	HA - 13	Soluble	Solid	300.0	124458
890-9099-29 MSD	HA - 13	Soluble	Solid	300.0	124458

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 00:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 00:42	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		10			124484	11/20/25 10:43	SMC	EET MID

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:10
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 00:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 00:57	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1			124484	11/20/25 10:48	SMC	EET MID

Client Sample ID: HA - 2
Date Collected: 11/18/25 08:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 01:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 01:11	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1			124484	11/20/25 11:04	SMC	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 01:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 01:27	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 11:09	SMC	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 01:41	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 01:41	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 11:15	SMC	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 01:56	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 01:56	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 11:20	SMC	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 02:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 02:10	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 11:25	SMC	EET MID

Client Sample ID: HA - 3
Date Collected: 11/18/25 08:37
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 02:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 02:40	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1			124484	11/20/25 11:53	SMC	EET MID

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 07:55	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 07:55	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 12:09	SMC	EET MID

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 08:09	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 08:09	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 12:14	SMC	EET MID

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:50
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 08:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 08:24	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1			124484	11/20/25 12:30	SMC	EET MID

Client Sample ID: HA - 4
Date Collected: 11/18/25 08:55
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 08:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 08:38	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 12:35	SMC	EET MID

Client Sample ID: HA - 6
Date Collected: 11/18/25 09:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 08:52	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 6
Date Collected: 11/18/25 09:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 08:52	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1			124484	11/20/25 12:41	SMC	EET MID

Client Sample ID: HA - 6
Date Collected: 11/18/25 09:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 09:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 09:07	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1			124484	11/20/25 12:46	SMC	EET MID

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:10
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 09:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 09:22	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		5			124517	11/20/25 10:48	SMC	EET MID

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 09:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 09:36	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		10			124517	11/20/25 11:06	SMC	EET MID

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 09:51	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 7
Date Collected: 11/18/25 09:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 09:51	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 11:11	SMC	EET MID

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 00:13	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 00:13	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		10			124517	11/20/25 11:17	SMC	EET MID

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 00:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 00:28	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		10			124517	11/20/25 11:23	SMC	EET MID

Client Sample ID: HA - 8
Date Collected: 11/18/25 09:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 00:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 00:42	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		5			124517	11/20/25 11:41	SMC	EET MID

Client Sample ID: HA - 9
Date Collected: 11/18/25 09:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 00:57	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 9
Date Collected: 11/18/25 09:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 00:57	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 11:47	SMC	EET MID

Client Sample ID: HA - 10
Date Collected: 11/18/25 09:55
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 01:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 01:27	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 11:52	SMC	EET MID

Client Sample ID: HA - 11
Date Collected: 11/18/25 10:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 01:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 01:56	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 11:58	SMC	EET MID

Client Sample ID: HA - 12
Date Collected: 11/18/25 10:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 02:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 02:40	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 12:24	SMC	EET MID

Client Sample ID: HA - 13
Date Collected: 11/18/25 10:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 07:55	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 13
Date Collected: 11/18/25 10:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 07:55	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 12:06	SMC	EET MID

Client Sample ID: HA - 14
Date Collected: 11/18/25 10:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 08:09	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 08:09	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 12:30	SMC	EET MID

Client Sample ID: HA - 15
Date Collected: 11/18/25 10:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 08:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 08:24	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 12:35	SMC	EET MID

Client Sample ID: HA - 16
Date Collected: 11/18/25 10:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 08:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 08:38	FC	EET MID
Soluble	Leach	DI Leach			501 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 12:53	SMC	EET MID

Client Sample ID: HA - 17
Date Collected: 11/18/25 10:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 08:52	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 17
Date Collected: 11/18/25 10:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 08:52	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 12:59	SMC	EET MID

Client Sample ID: HA - 18
Date Collected: 11/18/25 10:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 09:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 09:07	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		5			124517	11/20/25 13:05	SMC	EET MID

Client Sample ID: HA - 19
Date Collected: 11/18/25 10:50
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 09:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 09:22	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	124458	11/19/25 15:46	SA	EET MID
Soluble	Analysis	300.0		1			124517	11/20/25 13:32	SMC	EET MID

Client Sample ID: HA - 20
Date Collected: 11/18/25 10:55
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 09:36	SA	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 09:36	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 10:55	SMC	EET MID

Client Sample ID: HA - 20
Date Collected: 11/18/25 11:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 09:51	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 20
Date Collected: 11/18/25 11:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	124467	11/19/25 18:50	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124440	11/20/25 09:51	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 11:10	SMC	EET MID

Client Sample ID: HA - 21
Date Collected: 11/18/25 11:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 03:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 03:12	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 11:16	SMC	EET MID

Client Sample ID: HA - 21
Date Collected: 11/18/25 11:10
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 03:59	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 03:59	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 11:21	SMC	EET MID

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 04:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 04:14	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 11:26	SMC	EET MID

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 04:30	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 22
Date Collected: 11/18/25 11:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 04:30	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 11:42	SMC	EET MID

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 04:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 04:45	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 11:47	SMC	EET MID

Client Sample ID: HA - 23
Date Collected: 11/18/25 11:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 05:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 05:01	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 11:52	SMC	EET MID

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 05:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 05:16	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 11:58	SMC	EET MID

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 05:32	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 24
Date Collected: 11/18/25 11:40
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 05:32	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 12:03	SMC	EET MID

Client Sample ID: HA - 25
Date Collected: 11/18/25 11:45
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 05:47	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 05:47	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 12:08	SMC	EET MID

Client Sample ID: HA - 25
Date Collected: 11/18/25 11:50
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 06:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 06:03	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 12:24	SMC	EET MID

Client Sample ID: HA - 26
Date Collected: 11/18/25 11:55
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 06:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 06:33	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 12:29	SMC	EET MID

Client Sample ID: HA - 26
Date Collected: 11/18/25 12:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 06:48	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 26
Date Collected: 11/18/25 12:00
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 06:48	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 12:45	SMC	EET MID

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:05
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 07:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 07:03	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 12:50	SMC	EET MID

Client Sample ID: HA - 27
Date Collected: 11/18/25 12:10
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 07:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 07:18	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 12:55	SMC	EET MID

Client Sample ID: HA - 1
Date Collected: 11/18/25 12:15
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 07:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 07:33	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 13:01	SMC	EET MID

Client Sample ID: HA - 1
Date Collected: 11/18/25 12:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124537	11/20/25 07:48	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Date Collected: 11/18/25 12:20
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9099-53

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124468	11/19/25 18:53	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124413	11/20/25 07:48	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	124460	11/19/25 15:48	SA	EET MID
Soluble	Analysis	300.0		1			124501	11/20/25 13:06	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9099-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	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.

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9099-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9099-1	HA - 2	Solid	11/18/25 08:05	11/19/25 08:16	0.5
890-9099-2	HA - 2	Solid	11/18/25 08:10	11/19/25 08:16	1
890-9099-3	HA - 2	Solid	11/18/25 08:15	11/19/25 08:16	2
890-9099-4	HA - 3	Solid	11/18/25 08:20	11/19/25 08:16	0.5
890-9099-5	HA - 3	Solid	11/18/25 08:25	11/19/25 08:16	1
890-9099-6	HA - 3	Solid	11/18/25 08:30	11/19/25 08:16	2
890-9099-7	HA - 3	Solid	11/18/25 08:35	11/19/25 08:16	4
890-9099-8	HA - 3	Solid	11/18/25 08:37	11/19/25 08:16	6
890-9099-9	HA - 4	Solid	11/18/25 08:40	11/19/25 08:16	0.5
890-9099-10	HA - 4	Solid	11/18/25 08:45	11/19/25 08:16	1
890-9099-11	HA - 4	Solid	11/18/25 08:50	11/19/25 08:16	2
890-9099-12	HA - 4	Solid	11/18/25 08:55	11/19/25 08:16	4
890-9099-13	HA - 6	Solid	11/18/25 09:00	11/19/25 08:16	0.5
890-9099-14	HA - 6	Solid	11/18/25 09:05	11/19/25 08:16	1
890-9099-15	HA - 7	Solid	11/18/25 09:10	11/19/25 08:16	0.5
890-9099-16	HA - 7	Solid	11/18/25 09:15	11/19/25 08:16	1
890-9099-17	HA - 7	Solid	11/18/25 09:20	11/19/25 08:16	2
890-9099-19	HA - 8	Solid	11/18/25 09:30	11/19/25 08:16	0.5
890-9099-20	HA - 8	Solid	11/18/25 09:35	11/19/25 08:16	1
890-9099-21	HA - 8	Solid	11/18/25 09:40	11/19/25 08:16	2
890-9099-22	HA - 9	Solid	11/18/25 09:45	11/19/25 08:16	0.5
890-9099-24	HA - 10	Solid	11/18/25 09:55	11/19/25 08:16	0.5
890-9099-26	HA - 11	Solid	11/18/25 10:05	11/19/25 08:16	0.5
890-9099-28	HA - 12	Solid	11/18/25 10:15	11/19/25 08:16	0.5
890-9099-29	HA - 13	Solid	11/18/25 10:20	11/19/25 08:16	0.5
890-9099-30	HA - 14	Solid	11/18/25 10:25	11/19/25 08:16	0.5
890-9099-31	HA - 15	Solid	11/18/25 10:30	11/19/25 08:16	0.5
890-9099-32	HA - 16	Solid	11/18/25 10:35	11/19/25 08:16	0.5
890-9099-33	HA - 17	Solid	11/18/25 10:40	11/19/25 08:16	0.5
890-9099-34	HA - 18	Solid	11/18/25 10:45	11/19/25 08:16	0.5
890-9099-35	HA - 19	Solid	11/18/25 10:50	11/19/25 08:16	0.5
890-9099-36	HA - 20	Solid	11/18/25 10:55	11/19/25 08:16	0.5
890-9099-37	HA - 20	Solid	11/18/25 11:00	11/19/25 08:16	1
890-9099-38	HA - 21	Solid	11/18/25 11:05	11/19/25 08:16	0.5
890-9099-39	HA - 21	Solid	11/18/25 11:10	11/19/25 08:16	1
890-9099-40	HA - 22	Solid	11/18/25 11:15	11/19/25 08:16	0.5
890-9099-41	HA - 22	Solid	11/18/25 11:20	11/19/25 08:16	1
890-9099-42	HA - 23	Solid	11/18/25 11:25	11/19/25 08:16	0.5
890-9099-43	HA - 23	Solid	11/18/25 11:30	11/19/25 08:16	1
890-9099-44	HA - 24	Solid	11/18/25 11:35	11/19/25 08:16	0.5
890-9099-45	HA - 24	Solid	11/18/25 11:40	11/19/25 08:16	1
890-9099-46	HA - 25	Solid	11/18/25 11:45	11/19/25 08:16	0.5
890-9099-47	HA - 25	Solid	11/18/25 11:50	11/19/25 08:16	1
890-9099-48	HA - 26	Solid	11/18/25 11:55	11/19/25 08:16	0.5
890-9099-49	HA - 26	Solid	11/18/25 12:00	11/19/25 08:16	1
890-9099-50	HA - 27	Solid	11/18/25 12:05	11/19/25 08:16	0.5
890-9099-51	HA - 27	Solid	11/18/25 12:10	11/19/25 08:16	1
890-9099-52	HA - 1	Solid	11/18/25 12:15	11/19/25 08:16	14
890-9099-53	HA - 1	Solid	11/18/25 12:20	11/19/25 08:16	16

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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

Work Order No: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719 Email:	gmoreno@earthsys.net, sgiron@earthsys.net	

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tumoer
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8
Total Containers:		Corrected Temperature:	-4.6

ANALYSIS REQUEST

890-9099 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
~~Zn Acetate+NaOH: Zn~~
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-2	S	11.18.25	8:05	0.5	Grab/	1	X	X	X		X
HA-2	S	11.18.25	8:10	1	Grab/	1	X	X	X		X
HA-2	S	11.18.25	8:15	2	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:20	0.5	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:25	1	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:30	2	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:35	4	Grab/	1	X	X	X		X
HA-3	S	11.18.25	8:37	6	Grab/	1	X	X	X		X
HA-4	S	11.18.25	8:40	0.5	Grab/	1	X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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1			3		
2			4		
5			6		

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Chain of Custody

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Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

www.xenco.com Page 2 of 6

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
~~Samples Received Intact:~~	(Yes) No	Thermometer ID:	TNN09	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8	
~~Total Containers:~~		Corrected Temperature:	4.6	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
~~Zn Acetate+NaOH: Zn~~
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	~~Depth (feet)~~	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-4	S	11.18.25	8:45	1	Grab/	1	X	X	X		X
HA-4	S	11.18.25	8:50	2	Grab/	1	X	X	X		X
HA-4	S	11.18.25	8:55	4	Grab/	1	X	X	X		X
HA-6	S	11.18.25	9:00	0.5	Grab/	1	X	X	X		X
HA-6	S	11.18.25	9:05	1	Grab/	1	X	X	X		X
HA-7	S	11.18.25	9:10	0.5	Grab/	1	X	X	X		X
HA-7	S	11.18.25	9:15	1	Grab/	1	X	X	X		X
HA-7	S	11.18.25	9:20	2	Grab/	1	X	X	X		X
HA-7	S	11.18.25	9:25	4	Grab/	1	X	X	X	X	

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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Work Order No:

www.xenco.com Page 3 of 6

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
~~Samples Received Intact:~~	Yes No	Thermometer ID:	Tamec	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-4.8	
~~Total Containers:~~		Corrected Temperature:	-4.6	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; ~~H_3PO_4: HP~~; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; ~~Zn Acetate+NaOH: Zn~~; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	~~Depth (feet)~~	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-8	S	11.18.25	9:30	0.5	Grab/	1	X	X	X		X
HA-8	S	11.18.25	9:35	1	Grab/	1	X	X	X		X
HA-8	S	11.18.25	9:40	2	Grab/	1	X	X	X		X
HA-9	S	11.18.25	9:45	0.5	Grab/	1	X	X	X		X
HA-9	S	11.18.25	9:50	1	Grab/	1	X	X	X	X	
HA-10	S	11.18.25	9:55	0.5	Grab/	1	X	X	X		X
HA-10	S	11.18.25	10:00	1	Grab/	1	X	X	X	X	
HA-11	S	11.18.25	10:05	0.5	Grab/	1	X	X	X		X
HA-11	S	11.18.25	10:10	1	Grab/	1	X	X	X	X	

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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1	Brent	11-19 8:16	2		
			4		
5			6		

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 4 of 6

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719 Email:	gmoreno@earthsys.net, sgiron@earthsys.net	

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	Tnmoe7	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-4.8	
Total Containers:		Corrected Temperature:	-4.6	

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
~~H_3PO_4: HP~~
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
~~Zn Acetate+NaOH: Zn~~
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-12	S	11.18.25	10:15	0.5	Grab/	1	X	X	X		X
HA-13	S	11.18.25	10:20	0.5	Grab/	1	X	X	X		X
HA-14	S	11.18.25	10:25	0.5	Grab/	1	X	X	X		X
HA-15	S	11.18.25	10:30	0.5	Grab/	1	X	X	X		X
HA-16	S	11.18.25	10:35	0.5	Grab/	1	X	X	X		X
HA-17	S	11.18.25	10:40	0.5	Grab/	1	X	X	X		X
HA-18	S	11.18.25	10:45	0.5	Grab/	1	X	X	X		X
HA-19	S	11.18.25	10:50	0.5	Grab/	1	X	X	X		X
HA-20	S	11.18.25	10:55	0.5	Grab/	1	X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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2			4		
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Revised Date: 08/25/2020 Rev. 2020.2

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Work Order No:

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#20	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8	
Total Containers:		Corrected Temperature:	-4.6	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-20	S	11.18.25	11:00	1	Grab/	1	X	X	X		X
HA-21	S	11.18.25	11:05	0.5	Grab/	1	X	X	X		X
HA-21	S	11.18.25	11:10	1	Grab/	1	X	X	X		X
HA-22	S	11.18.25	11:15	0.5	Grab/	1	X	X	X		X
HA-22	S	11.18.25	11:20	1	Grab/	1	X	X	X		X
HA-23	S	11.18.25	11:25	0.5	Grab/	1	X	X	X		X
HA-23	S	11.18.25	11:30	1	Grab/	1	X	X	X		X
HA-24	S	11.18.25	11:35	0.5	Grab/	1	X	X	X		X
HA-24	S	11.18.25	11:40	1	Grab/	1	X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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Work Order No: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719 Email:	gmoreno@earthsys.net, sgiron@earthsys.net	

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Trim8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8
Total Containers:		Corrected Temperature:	-4.6

ANALYSIS REQUEST

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-25	S	11.18.25	11:45	0.5	Grab/	1	X	X	X		X
HA-25	S	11.18.25	11:50	1	Grab/	1	X	X	X		X
HA-26	S	11.18.25	11:55	0.5	Grab/	1	X	X	X		X
HA-26	S	11.18.25	12:00	1	Grab/	1	X	X	X		X
HA-27	S	11.18.25	12:05	0.5	Grab/	1	X	X	X		X
HA-27	S	11.18.25	12:10	1	Grab/	1	X	X	X		X
HA-1	S	11.18.25	12:15	14	Grab/	1	X	X	X		X
HA-1	S	11.18.25	12:20	16	Grab/	1	X	X	X		X

Sample Comments

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9099-1
SDG Number: Lea County, NM

Login Number: 9099
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9099-1
SDG Number: Lea County, NM

Login Number: 9099
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 11/20/25 07:54 AM

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 11/20/2025 1:28:22 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9098-2

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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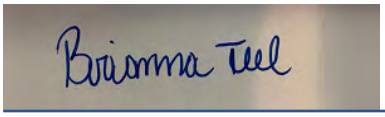
Eurofins Carlsbad

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9098-2
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

Qualifiers

GC VOA

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

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: Earth Systems Response and Restoration
Project: East Loop 20" HP

Job ID: 890-9098-2

Job ID: 890-9098-2 Eurofins Carlsbad

Job Narrative
890-9098-2

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

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

Receipt
The samples were received on 11/19/2025 8:16 AM. 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 -4.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-5 (890-9098-1), HA-5 (890-9098-2) and HA-5 (890-9098-3).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-124482/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

Client Sample ID: HA-5
Lab Sample ID: 890-9098-1
Date Collected: 11/18/25 12:25
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 10:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 10:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 10:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/25 08:38	11/20/25 10:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 10:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/25 08:38	11/20/25 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/20/25 08:38*	*11/20/25 10:18*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/20/25 08:38*	*11/20/25 10:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/20/25 10:18	1

Client Sample ID: HA-5
Lab Sample ID: 890-9098-2
Date Collected: 11/18/25 12:30
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 10:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 10:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 10:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/25 08:38	11/20/25 10:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/25 08:38	11/20/25 10:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/25 08:38	11/20/25 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/20/25 08:38*	*11/20/25 10:38*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/20/25 08:38*	*11/20/25 10:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/20/25 10:38	1

Client Sample ID: HA-5
Lab Sample ID: 890-9098-3
Date Collected: 11/18/25 12:35
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 10:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 10:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 10:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/25 08:38	11/20/25 10:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/25 08:38	11/20/25 10:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/25 08:38	11/20/25 10:59	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

Client Sample ID: HA-5

Date Collected: 11/18/25 12:35
Date Received: 11/19/25 08:16
Sample Depth: 20

Lab Sample ID: 890-9098-3

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/20/25 08:38*	*11/20/25 10:59*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/20/25 08:38*	*11/20/25 10:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/20/25 10:59	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-9098-1	HA-5	94	98								
890-9098-1 MS	HA-5	94	109								
890-9098-1 MSD	HA-5	96	114								
890-9098-2	HA-5	99	106								
890-9098-3	HA-5	94	103								
LCS 880-124482/1-A	Lab Control Sample	114	134 S1+								
LCSD 880-124482/2-A	Lab Control Sample Dup	96	118								
MB 880-124482/5-A	Method Blank	90	98								

Surrogate Legend

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

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-124482/5-A
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124482

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/25 08:38	11/20/25 09:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/25 08:38	11/20/25 09:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/20/25 08:38*	*11/20/25 09:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/20/25 08:38*	*11/20/25 09:56*	*1*

Lab Sample ID: LCS 880-124482/1-A
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124482

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1219		mg/Kg		122	70 - 130		
Toluene			0.100	0.1041		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1252		mg/Kg		125	70 - 130		
m-Xylene & p-Xylene			0.200	0.2055		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1234		mg/Kg		123	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*134*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-124482/2-A
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124482

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09731		mg/Kg		97	70 - 130	22	35
Toluene			0.100	0.08301		mg/Kg		83	70 - 130	23	35
Ethylbenzene			0.100	0.1015		mg/Kg		101	70 - 130	21	35
m-Xylene & p-Xylene			0.200	0.1709		mg/Kg		85	70 - 130	18	35
o-Xylene			0.100	0.1029		mg/Kg		103	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: 890-9098-1 MS
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: HA-5
Prep Type: Total/NA
Prep Batch: 124482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09301		mg/Kg		93	70 - 130		
Toluene	<0.00200	U	0.100	0.09175		mg/Kg		92	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

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

Lab Sample ID: 890-9098-1 MS
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: HA-5
Prep Type: Total/NA
Prep Batch: 124482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1761		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-9098-1 MSD
Matrix: Solid
Analysis Batch: 124475

Client Sample ID: HA-5
Prep Type: Total/NA
Prep Batch: 124482

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09863		mg/Kg		99	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.08979		mg/Kg		90	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1071		mg/Kg		107	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1801		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1057		mg/Kg		106	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

GC VOA

Analysis Batch: 124475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9098-1	HA-5	Total/NA	Solid	8021B	124482
890-9098-2	HA-5	Total/NA	Solid	8021B	124482
890-9098-3	HA-5	Total/NA	Solid	8021B	124482
MB 880-124482/5-A	Method Blank	Total/NA	Solid	8021B	124482
LCS 880-124482/1-A	Lab Control Sample	Total/NA	Solid	8021B	124482
LCSD 880-124482/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	124482
890-9098-1 MS	HA-5	Total/NA	Solid	8021B	124482
890-9098-1 MSD	HA-5	Total/NA	Solid	8021B	124482

Prep Batch: 124482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9098-1	HA-5	Total/NA	Solid	5035	
890-9098-2	HA-5	Total/NA	Solid	5035	
890-9098-3	HA-5	Total/NA	Solid	5035	
MB 880-124482/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-124482/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-124482/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9098-1 MS	HA-5	Total/NA	Solid	5035	
890-9098-1 MSD	HA-5	Total/NA	Solid	5035	

Analysis Batch: 124564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9098-1	HA-5	Total/NA	Solid	Total BTEX	
890-9098-2	HA-5	Total/NA	Solid	Total BTEX	
890-9098-3	HA-5	Total/NA	Solid	Total BTEX	

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

Client Sample ID: HA-5
Date Collected: 11/18/25 12:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9098-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 10:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124564	11/20/25 10:18	SA	EET MID

Client Sample ID: HA-5
Date Collected: 11/18/25 12:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9098-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 10:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124564	11/20/25 10:38	SA	EET MID

Client Sample ID: HA-5
Date Collected: 11/18/25 12:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9098-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	124482	11/20/25 08:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	124475	11/20/25 10:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			124564	11/20/25 10:59	SA	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9098-2
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
5035	Closed System Purge and Trap	SW846	EET MID

Protocol References:

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: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-2
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9098-1	HA-5	Solid	11/18/25 12:25	11/19/25 08:16	14
890-9098-2	HA-5	Solid	11/18/25 12:30	11/19/25 08:16	18
890-9098-3	HA-5	Solid	11/18/25 12:35	11/19/25 08:16	20

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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

890-9098 Chain of Custody

11/20/2025

www.xenco.com Page 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719 Email:	gmoreno@earthsys.net, sgiron@earthsys.net	

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tmoo3
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8
Total Containers:		Corrected Temperature:	-4.6

ANALYSIS REQUEST

Parameters

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-5	S	11.18.25	12:25	14	Grab/	1	X	X	X		X
HA-5	S	11.18.25	12:30	18	Grab/	1	X	X	X		X
HA-5	S	11.18.25	12:35	20	Grab/	1	X	X	X		X

Preservative Codes

None: NO	DI Water: H_2O
Cool: Cool	MeOH: Me
HCL: HC	HNO_3: HN
H_2S0_4: H_2	NaOH: Na
H_3PO_4: HP	
$NaHSO_4$: NABIS	
$Na_2S_2O_3$: $NaSO_3$	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Comments

Incident Number
nAPP2528933921

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Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11-19 3:16	3		
2			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 1/17/2026 12:00:22 AM

Released to Imaging: 3/9/2026 2:25:29 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9098-2
SDG Number: Lea County, NM

Login Number: 9098
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9098-2
SDG Number: Lea County, NM

Login Number: 9098
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 11/20/25 07:54 AM

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 11/20/2025 12:13:13 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9098-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 3/3/2026 2:23:29 PM

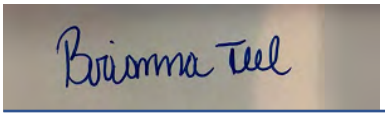
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
11/20/2025 12:13:13 PM

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9098-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

Qualifiers

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9098-1
Project: East Loop 20" HP

Job ID: 890-9098-1 Eurofins Carlsbad

Job Narrative
890-9098-1

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

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

Receipt
The samples were received on 11/19/2025 8:16 AM. 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 -4.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-5 (890-9098-1), HA-5 (890-9098-2) and HA-5 (890-9098-3).

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124466 and analytical batch 880-124442 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-124457 and analytical batch 880-124484 were outside control limits for Chloride . See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: HA-5 (890-9098-1), HA-5 (890-9098-2), HA-5 (890-9098-3), (890-9098-A-1-E MS) and (890-9098-A-1-F MSD).

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

Client Sample ID: HA-5
Lab Sample ID: 890-9098-1
Date Collected: 11/18/25 12:25
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/25 23:30	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	<49.9	U F1	49.9		mg/Kg		11/19/25 18:46	11/19/25 23:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		11/19/25 18:46	11/19/25 23:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/19/25 18:46	11/19/25 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/19/25 18:46*	*11/19/25 23:30*	*1*
o-Terphenyl	*114*		*70 - 130*	*11/19/25 18:46*	*11/19/25 23:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4770**	**F1**	100		mg/Kg			11/20/25 10:16	10

Client Sample ID: HA-5
Lab Sample ID: 890-9098-2
Date Collected: 11/18/25 12:30
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/20/25 00:13	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	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 00:13	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 00:13	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/19/25 18:46	11/20/25 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*11/19/25 18:46*	*11/20/25 00:13*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/19/25 18:46*	*11/20/25 00:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3840**		50.5		mg/Kg			11/20/25 10:32	5

Client Sample ID: HA-5
Lab Sample ID: 890-9098-3
Date Collected: 11/18/25 12:35
Matrix: Solid
Date Received: 11/19/25 08:16
Sample Depth: 20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/25 00:28	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

Client Sample ID: HA-5

Lab Sample ID: 890-9098-3
Matrix: Solid
Date Collected: 11/18/25 12:35
Date Received: 11/19/25 08:16
Sample Depth: 20

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	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 00:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 00:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/19/25 18:46	11/20/25 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/19/25 18:46*	*11/20/25 00:28*	*1*
o-Terphenyl	*113*		*70 - 130*	*11/19/25 18:46*	*11/20/25 00:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3620**		49.6		mg/Kg			11/20/25 10:37	5

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-9098-1	HA-5	90	114										
890-9098-1 MS	HA-5	86	93										
890-9098-1 MSD	HA-5	88	93										
890-9098-2	HA-5	77	97										
890-9098-3	HA-5	92	113										
LCS 880-124466/2-A	Lab Control Sample	99	103										
LCSD 880-124466/3-A	Lab Control Sample Dup	97	102										
MB 880-124466/1-A	Method Blank	84	100										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-124466/1-A
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/19/25 22:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/19/25 22:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/19/25 18:46	11/19/25 22:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/19/25 18:46*	*11/19/25 22:46*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/19/25 18:46*	*11/19/25 22:46*	*1*

Lab Sample ID: LCS 880-124466/2-A
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124466

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	702.0		mg/Kg		70	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	788.0		mg/Kg		79	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-124466/3-A
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124466

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	767.4		mg/Kg		77	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	783.3		mg/Kg		78	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 890-9098-1 MS
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: HA-5
Prep Type: Total/NA
Prep Batch: 124466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	644.2	F1	mg/Kg		63	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	746.4		mg/Kg		72	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9098-1 MS
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: HA-5
Prep Type: Total/NA
Prep Batch: 124466

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 890-9098-1 MSD
Matrix: Solid
Analysis Batch: 124442

Client Sample ID: HA-5
Prep Type: Total/NA
Prep Batch: 124466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	673.0	F1	mg/Kg		66	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	715.6	F1	mg/Kg		69	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	93		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-124457/1-A
Matrix: Solid
Analysis Batch: 124484

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/20/25 09:44	1

Lab Sample ID: LCS 880-124457/2-A
Matrix: Solid
Analysis Batch: 124484

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	269.2		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-124457/3-A
Matrix: Solid
Analysis Batch: 124484

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	265.7		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 890-9098-1 MS
Matrix: Solid
Analysis Batch: 124484

Client Sample ID: HA-5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4770	F1	2510	6506	F1	mg/Kg		69	90 - 110

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9098-1 MSD
Matrix: Solid
Analysis Batch: 124484

Client Sample ID: HA-5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4770	F1	2510	6511	F1	mg/Kg		70	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 124442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9098-1	HA-5	Total/NA	Solid	8015B NM	124466
890-9098-2	HA-5	Total/NA	Solid	8015B NM	124466
890-9098-3	HA-5	Total/NA	Solid	8015B NM	124466
MB 880-124466/1-A	Method Blank	Total/NA	Solid	8015B NM	124466
LCS 880-124466/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	124466
LCSD 880-124466/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	124466
890-9098-1 MS	HA-5	Total/NA	Solid	8015B NM	124466
890-9098-1 MSD	HA-5	Total/NA	Solid	8015B NM	124466

Prep Batch: 124466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9098-1	HA-5	Total/NA	Solid	8015NM Prep	
890-9098-2	HA-5	Total/NA	Solid	8015NM Prep	
890-9098-3	HA-5	Total/NA	Solid	8015NM Prep	
MB 880-124466/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-124466/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-124466/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9098-1 MS	HA-5	Total/NA	Solid	8015NM Prep	
890-9098-1 MSD	HA-5	Total/NA	Solid	8015NM Prep	

Analysis Batch: 124536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9098-1	HA-5	Total/NA	Solid	8015 NM	
890-9098-2	HA-5	Total/NA	Solid	8015 NM	
890-9098-3	HA-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 124457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9098-1	HA-5	Soluble	Solid	DI Leach	
890-9098-2	HA-5	Soluble	Solid	DI Leach	
890-9098-3	HA-5	Soluble	Solid	DI Leach	
MB 880-124457/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-124457/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-124457/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9098-1 MS	HA-5	Soluble	Solid	DI Leach	
890-9098-1 MSD	HA-5	Soluble	Solid	DI Leach	

Analysis Batch: 124484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9098-1	HA-5	Soluble	Solid	300.0	124457
890-9098-2	HA-5	Soluble	Solid	300.0	124457
890-9098-3	HA-5	Soluble	Solid	300.0	124457
MB 880-124457/1-A	Method Blank	Soluble	Solid	300.0	124457
LCS 880-124457/2-A	Lab Control Sample	Soluble	Solid	300.0	124457
LCSD 880-124457/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	124457
890-9098-1 MS	HA-5	Soluble	Solid	300.0	124457
890-9098-1 MSD	HA-5	Soluble	Solid	300.0	124457

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

Client Sample ID: HA-5
Date Collected: 11/18/25 12:25
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9098-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124536	11/19/25 23:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/19/25 23:30	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		10			124484	11/20/25 10:16	SMC	EET MID

Client Sample ID: HA-5
Date Collected: 11/18/25 12:30
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9098-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124536	11/20/25 00:13	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 00:13	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 10:32	SMC	EET MID

Client Sample ID: HA-5
Date Collected: 11/18/25 12:35
Date Received: 11/19/25 08:16

Lab Sample ID: 890-9098-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			124536	11/20/25 00:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	124466	11/19/25 18:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	124442	11/20/25 00:28	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	124457	11/19/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5			124484	11/20/25 10:37	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9098-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	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.

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9098-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9098-1	HA-5	Solid	11/18/25 12:25	11/19/25 08:16	14
890-9098-2	HA-5	Solid	11/18/25 12:30	11/19/25 08:16	18
890-9098-3	HA-5	Solid	11/18/25 12:35	11/19/25 08:16	20

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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

890-9098 Chain of Custody

11/20/2025

www.xenco.com Page 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	Tmoo3	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.8	
Total Containers:		Corrected Temperature:	-4.6	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-5	S	11.18.25	12:25	14	Grab/	1	X	X	X		X
HA-5	S	11.18.25	12:30	18	Grab/	1	X	X	X		X
HA-5	S	11.18.25	12:35	20	Grab/	1	X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11-19 3:16	3		
2			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 1/17/2026 12:00:22 AM
Released to Imaging: 3/9/2026 2:25:29 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9098-1
SDG Number: Lea County, NM

Login Number: 9098
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9098-1
SDG Number: Lea County, NM

Login Number: 9098
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 11/20/25 07:54 AM

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 12/9/2025 3:18:18 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9194-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 3/3/2026 2:23:29 PM

my EOL

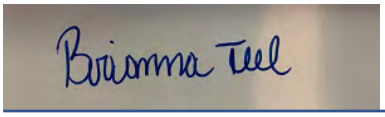
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
12/9/2025 3:18:18 PM

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9194-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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: Earth Systems Response and Restoration Job ID: 890-9194-1
Project: East Loop 20" HP

Job ID: 890-9194-1 Eurofins Carlsbad

Job Narrative
890-9194-1

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 12/8/2025 3:19 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 -13.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (890-9194-1), CS-2 (890-9194-2), CS-3 (890-9194-3), CS-4 (890-9194-4), CS-5 (890-9194-5), CS-6 (890-9194-6), CS-7 (890-9194-7), CS-8 (890-9194-8), CS-9 (890-9194-9) and CS-10 (890-9194-10).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-126059 and analytical batch 880-126033 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 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-8 (890-9194-8). 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.

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-1

Lab Sample ID: 890-9194-1
Matrix: Solid
Date Collected: 12/08/25 09:15
Date Received: 12/08/25 15:19
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		12/09/25 10:09	12/09/25 12:43	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		12/09/25 10:09	12/09/25 12:43	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		12/09/25 10:09	12/09/25 12:43	1
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.00400		mg/Kg		12/09/25 10:09	12/09/25 12:43	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		12/09/25 10:09	12/09/25 12:43	1
Xylenes, Total	<0.00400	U F2 F1	0.00400		mg/Kg		12/09/25 10:09	12/09/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/09/25 10:09*	*12/09/25 12:43*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 10:09*	*12/09/25 12:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/09/25 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 03:28	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	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 03:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 03:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*12/08/25 17:26*	*12/09/25 03:28*	*1*
o-Terphenyl	*75*		*70 - 130*	*12/08/25 17:26*	*12/09/25 03:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**183**		9.96		mg/Kg			12/09/25 12:04	1

Client Sample ID: CS-2

Lab Sample ID: 890-9194-2
Matrix: Solid
Date Collected: 12/08/25 09:20
Date Received: 12/08/25 15:19
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 13:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 13:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 13:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 10:09	12/09/25 13:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 13:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 10:09	12/09/25 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 10:09*	*12/09/25 13:03*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-2

Lab Sample ID: 890-9194-2
Matrix: Solid
Date Collected: 12/08/25 09:20
Date Received: 12/08/25 15:19
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 10:09*	*12/09/25 13:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/09/25 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 03:43	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	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 03:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 03:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*12/08/25 17:26*	*12/09/25 03:43*	*1*
o-Terphenyl	*75*		*70 - 130*	*12/08/25 17:26*	*12/09/25 03:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.8**		9.98		mg/Kg			12/09/25 12:20	1

Client Sample ID: CS-3

Lab Sample ID: 890-9194-3
Matrix: Solid
Date Collected: 12/08/25 09:25
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 13:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 13:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 13:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 10:09	12/09/25 13:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 13:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 10:09	12/09/25 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/09/25 10:09*	*12/09/25 13:24*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 10:09*	*12/09/25 13:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/09/25 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 03:58	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-3

Lab Sample ID: 890-9194-3
Matrix: Solid
Date Collected: 12/08/25 09:25
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 03:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 03:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*12/08/25 17:26*	*12/09/25 03:58*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/08/25 17:26*	*12/09/25 03:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.7**		9.92		mg/Kg			12/09/25 12:26	1

Client Sample ID: CS-4

Lab Sample ID: 890-9194-4
Matrix: Solid
Date Collected: 12/08/25 09:30
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/25 10:09	12/09/25 13:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 10:09	12/09/25 13:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 10:09	12/09/25 13:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 10:09	12/09/25 13:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 10:09	12/09/25 13:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 10:09	12/09/25 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 10:09*	*12/09/25 13:44*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 10:09*	*12/09/25 13:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/09/25 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 04:13	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	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 04:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 04:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*12/08/25 17:26*	*12/09/25 04:13*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/08/25 17:26*	*12/09/25 04:13*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-4

Lab Sample ID: 890-9194-4
Matrix: Solid
Date Collected: 12/08/25 09:30
Date Received: 12/08/25 15:19
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		9.94		mg/Kg			12/09/25 12:32	1

Client Sample ID: CS-5

Lab Sample ID: 890-9194-5
Matrix: Solid
Date Collected: 12/08/25 09:35
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/09/25 10:09	12/09/25 14:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/09/25 10:09	12/09/25 14:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/09/25 10:09	12/09/25 14:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/09/25 10:09	12/09/25 14:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/09/25 10:09	12/09/25 14:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/09/25 10:09	12/09/25 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 10:09*	*12/09/25 14:05*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 10:09*	*12/09/25 14:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/09/25 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 04:28	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	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 04:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 04:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*12/08/25 17:26*	*12/09/25 04:28*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/08/25 17:26*	*12/09/25 04:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		9.92		mg/Kg			12/09/25 12:37	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-6

Lab Sample ID: 890-9194-6
Matrix: Solid
Date Collected: 12/08/25 09:40
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 14:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 14:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 14:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 10:09	12/09/25 14:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 14:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 10:09	12/09/25 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*12/09/25 10:09*	*12/09/25 14:25*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 10:09*	*12/09/25 14:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/09/25 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 04:43	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	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 04:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/08/25 17:26*	*12/09/25 04:43*	*1*
o-Terphenyl	*94*		*70 - 130*	*12/08/25 17:26*	*12/09/25 04:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.9**		9.90		mg/Kg			12/09/25 12:54	1

Client Sample ID: CS-7

Lab Sample ID: 890-9194-7
Matrix: Solid
Date Collected: 12/08/25 09:45
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 14:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 14:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 14:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 10:09	12/09/25 14:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 14:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 10:09	12/09/25 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/09/25 10:09*	*12/09/25 14:45*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-7

Lab Sample ID: 890-9194-7
Matrix: Solid
Date Collected: 12/08/25 09:45
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 10:09*	*12/09/25 14:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/09/25 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 05:13	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	<49.8	U	49.8		mg/Kg		12/08/25 17:26	12/09/25 05:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 17:26	12/09/25 05:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 17:26	12/09/25 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*12/08/25 17:26*	*12/09/25 05:13*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/08/25 17:26*	*12/09/25 05:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.4**		9.94		mg/Kg			12/09/25 13:00	1

Client Sample ID: CS-8

Lab Sample ID: 890-9194-8
Matrix: Solid
Date Collected: 12/08/25 09:50
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/25 10:09	12/09/25 15:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 10:09	12/09/25 15:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 10:09	12/09/25 15:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 10:09	12/09/25 15:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 10:09	12/09/25 15:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 10:09	12/09/25 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/09/25 10:09*	*12/09/25 15:06*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 10:09*	*12/09/25 15:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/09/25 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 05:28	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-8

Lab Sample ID: 890-9194-8
Matrix: Solid
Date Collected: 12/08/25 09:50
Date Received: 12/08/25 15:19
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 05:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 05:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*12/08/25 17:26*	*12/09/25 05:28*	*1*
o-Terphenyl	*73*		*70 - 130*	*12/08/25 17:26*	*12/09/25 05:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			12/09/25 13:06	1

Client Sample ID: CS-9

Lab Sample ID: 890-9194-9
Matrix: Solid
Date Collected: 12/08/25 09:55
Date Received: 12/08/25 15:19
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 15:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 15:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 15:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 10:09	12/09/25 15:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 15:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 10:09	12/09/25 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 10:09*	*12/09/25 15:26*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 10:09*	*12/09/25 15:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/09/25 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 05:43	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	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 05:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 05:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*12/08/25 17:26*	*12/09/25 05:43*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/08/25 17:26*	*12/09/25 05:43*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-9

Lab Sample ID: 890-9194-9
Matrix: Solid
Date Collected: 12/08/25 09:55
Date Received: 12/08/25 15:19
Sample Depth: 6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.5		9.96		mg/Kg			12/09/25 13:11	1

Client Sample ID: CS-10

Lab Sample ID: 890-9194-10
Matrix: Solid
Date Collected: 12/08/25 10:00
Date Received: 12/08/25 15:19
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 15:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 15:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 15:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 10:09	12/09/25 15:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:09	12/09/25 15:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 10:09	12/09/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/09/25 10:09*	*12/09/25 15:47*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/09/25 10:09*	*12/09/25 15:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/09/25 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 05:58	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	<49.8	U	49.8		mg/Kg		12/08/25 17:26	12/09/25 05:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/08/25 17:26	12/09/25 05:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/08/25 17:26	12/09/25 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*12/08/25 17:26*	*12/09/25 05:58*	*1*
o-Terphenyl	*83*		*70 - 130*	*12/08/25 17:26*	*12/09/25 05:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			12/09/25 13:17	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9194-1	CS-1	97	101
890-9194-1 MS	CS-1	129	86
890-9194-1 MSD	CS-1	94	96
890-9194-2	CS-2	99	102
890-9194-3	CS-3	98	101
890-9194-4	CS-4	100	102
890-9194-5	CS-5	102	100
890-9194-6	CS-6	99	100
890-9194-7	CS-7	103	102
890-9194-8	CS-8	104	102
890-9194-9	CS-9	101	101
890-9194-10	CS-10	101	102
LCS 880-126059/1-A	Lab Control Sample	95	95
LCSD 880-126059/2-A	Lab Control Sample Dup	96	95
MB 880-126059/5-A	Method Blank	90	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**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9194-1	CS-1	70	75
890-9194-2	CS-2	71	75
890-9194-3	CS-3	79	84
890-9194-4	CS-4	84	89
890-9194-5	CS-5	70	76
890-9194-6	CS-6	91	94
890-9194-7	CS-7	74	77
890-9194-8	CS-8	69 S1-	73
890-9194-9	CS-9	73	77
890-9194-10	CS-10	79	83
LCS 880-126016/2-A	Lab Control Sample	84	79
LCSD 880-126016/3-A	Lab Control Sample Dup	70	80
MB 880-126016/1-A	Method Blank	75	79

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126059/5-A
Matrix: Solid
Analysis Batch: 126033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 12:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 12:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 12:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 10:09	12/09/25 12:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:09	12/09/25 12:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 10:09	12/09/25 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*12/09/25 10:09*	*12/09/25 12:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/09/25 10:09*	*12/09/25 12:21*	*1*

Lab Sample ID: LCS 880-126059/1-A
Matrix: Solid
Analysis Batch: 126033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126059

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09763		mg/Kg		98	70 - 130		
Toluene			0.100	0.09502		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.09888		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.1963		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09774		mg/Kg		98	70 - 130		

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

Lab Sample ID: LCSD 880-126059/2-A
Matrix: Solid
Analysis Batch: 126033

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126059

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09799		mg/Kg		98	70 - 130	0	35
Toluene			0.100	0.09406		mg/Kg		94	70 - 130	1	35
Ethylbenzene			0.100	0.09862		mg/Kg		99	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1972		mg/Kg		99	70 - 130	0	35
o-Xylene			0.100	0.09794		mg/Kg		98	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-9194-1 MS
Matrix: Solid
Analysis Batch: 126033

Client Sample ID: CS-1
Prep Type: Total/NA
Prep Batch: 126059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F2 F1	0.100	0.04173	F1	mg/Kg		42	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.07430		mg/Kg		74	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9194-1 MS
Matrix: Solid
Analysis Batch: 126033

Client Sample ID: CS-1
Prep Type: Total/NA
Prep Batch: 126059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F2 F1	0.100	0.08789		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	0.1408		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.07133		mg/Kg		71	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 890-9194-1 MSD
Matrix: Solid
Analysis Batch: 126033

Client Sample ID: CS-1
Prep Type: Total/NA
Prep Batch: 126059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.08759	F2	mg/Kg		88	70 - 130	71	35
Toluene	<0.00200	U F2 F1	0.100	0.08430		mg/Kg		84	70 - 130	13	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.08784		mg/Kg		88	70 - 130	0	35
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	0.1751		mg/Kg		88	70 - 130	22	35
o-Xylene	<0.00200	U F2 F1	0.100	0.08615		mg/Kg		86	70 - 130	19	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-126016/1-A
Matrix: Solid
Analysis Batch: 125897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 01:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 01:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 01:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*12/08/25 17:26*	*12/09/25 01:13*	*1*
o-Terphenyl	*79*		*70 - 130*	*12/08/25 17:26*	*12/09/25 01:13*	*1*

Lab Sample ID: LCS 880-126016/2-A
Matrix: Solid
Analysis Batch: 125897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	751.5		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1000	769.7		mg/Kg		77	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-126016/2-A
Matrix: Solid
Analysis Batch: 125897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126016

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: LCSD 880-126016/3-A
Matrix: Solid
Analysis Batch: 125897

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126016

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	762.6		mg/Kg		76	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	831.4		mg/Kg		83	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	70		70 - 130
o-Terphenyl	80		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126029/1-A
Matrix: Solid
Analysis Batch: 126045

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/09/25 11:47	1

Lab Sample ID: LCS 880-126029/2-A
Matrix: Solid
Analysis Batch: 126045

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.9		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-126029/3-A
Matrix: Solid
Analysis Batch: 126045

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	257.5		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-9194-1 MS
Matrix: Solid
Analysis Batch: 126045

Client Sample ID: CS-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	183		249	433.7		mg/Kg		101	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9194-1 MSD
Matrix: Solid
Analysis Batch: 126045

Client Sample ID: CS-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	183		249	436.3		mg/Kg		102	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 126033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-1	CS-1	Total/NA	Solid	8021B	126059
890-9194-2	CS-2	Total/NA	Solid	8021B	126059
890-9194-3	CS-3	Total/NA	Solid	8021B	126059
890-9194-4	CS-4	Total/NA	Solid	8021B	126059
890-9194-5	CS-5	Total/NA	Solid	8021B	126059
890-9194-6	CS-6	Total/NA	Solid	8021B	126059
890-9194-7	CS-7	Total/NA	Solid	8021B	126059
890-9194-8	CS-8	Total/NA	Solid	8021B	126059
890-9194-9	CS-9	Total/NA	Solid	8021B	126059
890-9194-10	CS-10	Total/NA	Solid	8021B	126059
MB 880-126059/5-A	Method Blank	Total/NA	Solid	8021B	126059
LCS 880-126059/1-A	Lab Control Sample	Total/NA	Solid	8021B	126059
LCSD 880-126059/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126059
890-9194-1 MS	CS-1	Total/NA	Solid	8021B	126059
890-9194-1 MSD	CS-1	Total/NA	Solid	8021B	126059

Prep Batch: 126059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-1	CS-1	Total/NA	Solid	5035	
890-9194-2	CS-2	Total/NA	Solid	5035	
890-9194-3	CS-3	Total/NA	Solid	5035	
890-9194-4	CS-4	Total/NA	Solid	5035	
890-9194-5	CS-5	Total/NA	Solid	5035	
890-9194-6	CS-6	Total/NA	Solid	5035	
890-9194-7	CS-7	Total/NA	Solid	5035	
890-9194-8	CS-8	Total/NA	Solid	5035	
890-9194-9	CS-9	Total/NA	Solid	5035	
890-9194-10	CS-10	Total/NA	Solid	5035	
MB 880-126059/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126059/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126059/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9194-1 MS	CS-1	Total/NA	Solid	5035	
890-9194-1 MSD	CS-1	Total/NA	Solid	5035	

Analysis Batch: 126145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-1	CS-1	Total/NA	Solid	Total BTEX	
890-9194-2	CS-2	Total/NA	Solid	Total BTEX	
890-9194-3	CS-3	Total/NA	Solid	Total BTEX	
890-9194-4	CS-4	Total/NA	Solid	Total BTEX	
890-9194-5	CS-5	Total/NA	Solid	Total BTEX	
890-9194-6	CS-6	Total/NA	Solid	Total BTEX	
890-9194-7	CS-7	Total/NA	Solid	Total BTEX	
890-9194-8	CS-8	Total/NA	Solid	Total BTEX	
890-9194-9	CS-9	Total/NA	Solid	Total BTEX	
890-9194-10	CS-10	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 125897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-1	CS-1	Total/NA	Solid	8015B NM	126016
890-9194-2	CS-2	Total/NA	Solid	8015B NM	126016
890-9194-3	CS-3	Total/NA	Solid	8015B NM	126016
890-9194-4	CS-4	Total/NA	Solid	8015B NM	126016
890-9194-5	CS-5	Total/NA	Solid	8015B NM	126016
890-9194-6	CS-6	Total/NA	Solid	8015B NM	126016
890-9194-7	CS-7	Total/NA	Solid	8015B NM	126016
890-9194-8	CS-8	Total/NA	Solid	8015B NM	126016
890-9194-9	CS-9	Total/NA	Solid	8015B NM	126016
890-9194-10	CS-10	Total/NA	Solid	8015B NM	126016
MB 880-126016/1-A	Method Blank	Total/NA	Solid	8015B NM	126016
LCS 880-126016/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126016
LCSD 880-126016/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126016

Prep Batch: 126016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-1	CS-1	Total/NA	Solid	8015NM Prep	
890-9194-2	CS-2	Total/NA	Solid	8015NM Prep	
890-9194-3	CS-3	Total/NA	Solid	8015NM Prep	
890-9194-4	CS-4	Total/NA	Solid	8015NM Prep	
890-9194-5	CS-5	Total/NA	Solid	8015NM Prep	
890-9194-6	CS-6	Total/NA	Solid	8015NM Prep	
890-9194-7	CS-7	Total/NA	Solid	8015NM Prep	
890-9194-8	CS-8	Total/NA	Solid	8015NM Prep	
890-9194-9	CS-9	Total/NA	Solid	8015NM Prep	
890-9194-10	CS-10	Total/NA	Solid	8015NM Prep	
MB 880-126016/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126016/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126016/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-1	CS-1	Total/NA	Solid	8015 NM	
890-9194-2	CS-2	Total/NA	Solid	8015 NM	
890-9194-3	CS-3	Total/NA	Solid	8015 NM	
890-9194-4	CS-4	Total/NA	Solid	8015 NM	
890-9194-5	CS-5	Total/NA	Solid	8015 NM	
890-9194-6	CS-6	Total/NA	Solid	8015 NM	
890-9194-7	CS-7	Total/NA	Solid	8015 NM	
890-9194-8	CS-8	Total/NA	Solid	8015 NM	
890-9194-9	CS-9	Total/NA	Solid	8015 NM	
890-9194-10	CS-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 126029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-1	CS-1	Soluble	Solid	DI Leach	
890-9194-2	CS-2	Soluble	Solid	DI Leach	
890-9194-3	CS-3	Soluble	Solid	DI Leach	
890-9194-4	CS-4	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 126029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-5	CS-5	Soluble	Solid	DI Leach	
890-9194-6	CS-6	Soluble	Solid	DI Leach	
890-9194-7	CS-7	Soluble	Solid	DI Leach	
890-9194-8	CS-8	Soluble	Solid	DI Leach	
890-9194-9	CS-9	Soluble	Solid	DI Leach	
890-9194-10	CS-10	Soluble	Solid	DI Leach	
MB 880-126029/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126029/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126029/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9194-1 MS	CS-1	Soluble	Solid	DI Leach	
890-9194-1 MSD	CS-1	Soluble	Solid	DI Leach	

Analysis Batch: 126045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9194-1	CS-1	Soluble	Solid	300.0	126029
890-9194-2	CS-2	Soluble	Solid	300.0	126029
890-9194-3	CS-3	Soluble	Solid	300.0	126029
890-9194-4	CS-4	Soluble	Solid	300.0	126029
890-9194-5	CS-5	Soluble	Solid	300.0	126029
890-9194-6	CS-6	Soluble	Solid	300.0	126029
890-9194-7	CS-7	Soluble	Solid	300.0	126029
890-9194-8	CS-8	Soluble	Solid	300.0	126029
890-9194-9	CS-9	Soluble	Solid	300.0	126029
890-9194-10	CS-10	Soluble	Solid	300.0	126029
MB 880-126029/1-A	Method Blank	Soluble	Solid	300.0	126029
LCS 880-126029/2-A	Lab Control Sample	Soluble	Solid	300.0	126029
LCSD 880-126029/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126029
890-9194-1 MS	CS-1	Soluble	Solid	300.0	126029
890-9194-1 MSD	CS-1	Soluble	Solid	300.0	126029

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-1

Date Collected: 12/08/25 09:15
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 12:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 03:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 03:28	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 12:04	CS	EET MID

Client Sample ID: CS-2

Date Collected: 12/08/25 09:20
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 13:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 03:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 03:43	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 12:20	CS	EET MID

Client Sample ID: CS-3

Date Collected: 12/08/25 09:25
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 13:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 03:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 03:58	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 12:26	CS	EET MID

Client Sample ID: CS-4

Date Collected: 12/08/25 09:30
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 13:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 13:44	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-4
Date Collected: 12/08/25 09:30
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126088	12/09/25 04:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 04:13	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 12:32	CS	EET MID

Client Sample ID: CS-5
Date Collected: 12/08/25 09:35
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 14:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 04:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 04:28	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 12:37	CS	EET MID

Client Sample ID: CS-6
Date Collected: 12/08/25 09:40
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 14:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 14:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 04:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 04:43	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 12:54	CS	EET MID

Client Sample ID: CS-7
Date Collected: 12/08/25 09:45
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 14:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 05:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 05:13	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Client Sample ID: CS-7
Date Collected: 12/08/25 09:45
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 13:00	CS	EET MID

Client Sample ID: CS-8
Date Collected: 12/08/25 09:50
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 15:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 05:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 05:28	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 13:06	CS	EET MID

Client Sample ID: CS-9
Date Collected: 12/08/25 09:55
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 15:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 15:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 05:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 05:43	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 13:11	CS	EET MID

Client Sample ID: CS-10
Date Collected: 12/08/25 10:00
Date Received: 12/08/25 15:19

Lab Sample ID: 890-9194-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126059	12/09/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126033	12/09/25 15:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126145	12/09/25 15:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			126088	12/09/25 05:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 05:58	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 13:17	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9194-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9194-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9194-1	CS-1	Solid	12/08/25 09:15	12/08/25 15:19	2
890-9194-2	CS-2	Solid	12/08/25 09:20	12/08/25 15:19	2
890-9194-3	CS-3	Solid	12/08/25 09:25	12/08/25 15:19	4
890-9194-4	CS-4	Solid	12/08/25 09:30	12/08/25 15:19	4
890-9194-5	CS-5	Solid	12/08/25 09:35	12/08/25 15:19	4
890-9194-6	CS-6	Solid	12/08/25 09:40	12/08/25 15:19	4
890-9194-7	CS-7	Solid	12/08/25 09:45	12/08/25 15:19	4
890-9194-8	CS-8	Solid	12/08/25 09:50	12/08/25 15:19	4
890-9194-9	CS-9	Solid	12/08/25 09:55	12/08/25 15:19	6
890-9194-10	CS-10	Solid	12/08/25 10:00	12/08/25 15:19	6

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

Work Order No: 890-9194 Chain of Custody

www.xenco.com Page 1 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Tumoc
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-14.1.0
Total Containers:		Corrected Temperature:	-13.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Parameters: TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-1	S	12.8.25	9:15	2	Comp	1	X	X	X		X	Incident Number
CS-2	S	12.8.25	9:20	2	Comp	1	X	X	X		X	nAPP2528933921
CS-3	S	12.8.25	9:25	4	Comp	1	X	X	X		X	
CS-4	S	12.8.25	9:30	4	Comp	1	X	X	X		X	
CS-5	S	12.8.25	9:35	4	Comp	1	X	X	X		X	
CS-6	S	12.8.25	9:40	4	Comp	1	X	X	X		X	
CS-7	S	12.8.25	9:45	4	Comp	1	X	X	X		X	
CS-8	S	12.8.25	9:50	6	Comp	1	X	X	X		X	
CS-9	S	12.8.25	9:55	6	Comp	1	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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 Michael Benini	Burns	12.8 15'9	2		
3			4		
5			6		

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	☐ Routine ☑ Rush
Project Number:	7576	Due Date:	24 Hr Rush
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron, Michael Benini		
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNmeen
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-14.0
Total Containers:		Corrected Temperature:	-13.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
CS-10	S	12.8.25	10:00	6	Comp	1		X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 Michael Benini		12-8 15:19	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9194-1
SDG Number: Lea County, NM

Login Number: 9194
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9194-1
SDG Number: Lea County, NM

Login Number: 9194
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/08/25 08:32 PM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 12/11/2025 4:33:27 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9206-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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my EOL

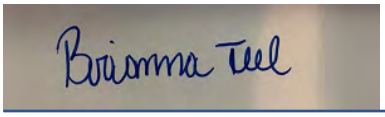
Eurofins Carlsbad

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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12/11/2025 4:33:27 PM

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9206-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9206-1
Project: East Loop 20" HP

Job ID: 890-9206-1 Eurofins Carlsbad

Job Narrative
890-9206-1

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 12/10/2025 3:12 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 0.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 11 (890-9206-1), CS - 12 (890-9206-2), CS - 13 (890-9206-3), CS - 14 (890-9206-4), CS - 15 (890-9206-5), CS - 16 (890-9206-6), CS - 17 (890-9206-7), CS - 18 (890-9206-8) and CS - 19 (890-9206-9).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-126325 and analytical batch 880-126307 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS - 11 (890-9206-1), CS - 14 (890-9206-4), CS - 15 (890-9206-5), CS - 16 (890-9206-6) and CS - 18 (890-9206-8). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS - 17 (890-9206-7). 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
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126305 and analytical batch 880-126310 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 11

Lab Sample ID: 890-9206-1
Matrix: Solid
Date Collected: 12/10/25 09:10
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 11:08	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		12/11/25 09:11	12/11/25 11:08	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		12/11/25 09:11	12/11/25 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 11:08	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		12/11/25 09:11	12/11/25 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/11/25 09:11*	*12/11/25 11:08*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*12/11/25 09:11*	*12/11/25 11:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/11/25 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/11/25 11:11	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	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 11:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*12/10/25 17:03*	*12/11/25 11:11*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*12/10/25 17:03*	*12/11/25 11:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		49.8		mg/Kg			12/11/25 14:33	5

Client Sample ID: CS - 12

Lab Sample ID: 890-9206-2
Matrix: Solid
Date Collected: 12/10/25 09:15
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:11	12/11/25 11:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:11	12/11/25 11:29	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		12/11/25 09:11	12/11/25 11:29	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		12/11/25 09:11	12/11/25 11:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:11	12/11/25 11:29	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		12/11/25 09:11	12/11/25 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/11/25 09:11*	*12/11/25 11:29*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 12

Date Collected: 12/10/25 09:15
Date Received: 12/10/25 15:12
Sample Depth: 2

Lab Sample ID: 890-9206-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/11/25 09:11*	*12/11/25 11:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/11/25 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 11:26	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	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 11:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 11:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/10/25 17:03*	*12/11/25 11:26*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/10/25 17:03*	*12/11/25 11:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**145**		9.90		mg/Kg			12/11/25 14:38	1

Client Sample ID: CS - 13

Date Collected: 12/10/25 09:20
Date Received: 12/10/25 15:12
Sample Depth: 2

Lab Sample ID: 890-9206-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/11/25 09:11	12/11/25 11:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/11/25 09:11	12/11/25 11:50	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		12/11/25 09:11	12/11/25 11:50	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		12/11/25 09:11	12/11/25 11:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/11/25 09:11	12/11/25 11:50	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		12/11/25 09:11	12/11/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/11/25 09:11*	*12/11/25 11:50*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/11/25 09:11*	*12/11/25 11:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/11/25 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/11/25 11:41	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 13

Lab Sample ID: 890-9206-3
Matrix: Solid
Date Collected: 12/10/25 09:20
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 11:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 11:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/10/25 17:03*	*12/11/25 11:41*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/10/25 17:03*	*12/11/25 11:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.0**		10.1		mg/Kg			12/11/25 14:43	1

Client Sample ID: CS - 14

Lab Sample ID: 890-9206-4
Matrix: Solid
Date Collected: 12/10/25 09:25
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/11/25 09:11	12/11/25 12:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/11/25 09:11	12/11/25 12:10	1
Ethylbenzene	<0.00198	U *- *1	0.00198		mg/Kg		12/11/25 09:11	12/11/25 12:10	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		12/11/25 09:11	12/11/25 12:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/11/25 09:11	12/11/25 12:10	1
Xylenes, Total	<0.00396	U *- *1	0.00396		mg/Kg		12/11/25 09:11	12/11/25 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/11/25 09:11*	*12/11/25 12:10*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*12/11/25 09:11*	*12/11/25 12:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/11/25 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/11/25 11:56	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	<49.8	U	49.8		mg/Kg		12/10/25 17:03	12/11/25 11:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/10/25 17:03	12/11/25 11:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/10/25 17:03	12/11/25 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/10/25 17:03*	*12/11/25 11:56*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*12/10/25 17:03*	*12/11/25 11:56*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 14

Lab Sample ID: 890-9206-4
Matrix: Solid
Date Collected: 12/10/25 09:25
Date Received: 12/10/25 15:12
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.4		10.1		mg/Kg			12/11/25 14:48	1

Client Sample ID: CS - 15

Lab Sample ID: 890-9206-5
Matrix: Solid
Date Collected: 12/10/25 09:30
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 12:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 12:31	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		12/11/25 09:11	12/11/25 12:31	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		12/11/25 09:11	12/11/25 12:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 12:31	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		12/11/25 09:11	12/11/25 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*12/11/25 09:11*	*12/11/25 12:31*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/11/25 09:11*	*12/11/25 12:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/11/25 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 12:11	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	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/10/25 17:03*	*12/11/25 12:11*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*12/10/25 17:03*	*12/11/25 12:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.8		9.94		mg/Kg			12/11/25 14:53	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 16

Lab Sample ID: 890-9206-6
Matrix: Solid
Date Collected: 12/10/25 09:35
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:11	12/11/25 12:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:11	12/11/25 12:51	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		12/11/25 09:11	12/11/25 12:51	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		12/11/25 09:11	12/11/25 12:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:11	12/11/25 12:51	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		12/11/25 09:11	12/11/25 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/11/25 09:11*	*12/11/25 12:51*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/11/25 09:11*	*12/11/25 12:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/11/25 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/11/25 12:26	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	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 12:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 12:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/10/25 17:03*	*12/11/25 12:26*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*12/10/25 17:03*	*12/11/25 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.8**	**F1 F2**	9.96		mg/Kg			12/11/25 14:58	1

Client Sample ID: CS - 17

Lab Sample ID: 890-9206-7
Matrix: Solid
Date Collected: 12/10/25 09:40
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/11/25 09:08	12/11/25 11:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/11/25 09:08	12/11/25 11:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/11/25 09:08	12/11/25 11:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/11/25 09:08	12/11/25 11:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/11/25 09:08	12/11/25 11:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/11/25 09:08	12/11/25 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/11/25 09:08*	*12/11/25 11:46*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 17

Lab Sample ID: 890-9206-7
Matrix: Solid
Date Collected: 12/10/25 09:40
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/11/25 09:08*	*12/11/25 11:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/11/25 11:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/10/25 17:03*	*12/11/25 12:41*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*12/10/25 17:03*	*12/11/25 12:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		9.92		mg/Kg			12/11/25 15:13	1

Client Sample ID: CS - 18

Lab Sample ID: 890-9206-8
Matrix: Solid
Date Collected: 12/10/25 09:45
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/11/25 09:08	12/11/25 12:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/11/25 09:08	12/11/25 12:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/11/25 09:08	12/11/25 12:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/11/25 09:08	12/11/25 12:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/11/25 09:08	12/11/25 12:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/11/25 09:08	12/11/25 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/11/25 09:08*	*12/11/25 12:06*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/11/25 09:08*	*12/11/25 12:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/11/25 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 12:57	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 18

Lab Sample ID: 890-9206-8
Matrix: Solid
Date Collected: 12/10/25 09:45
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*12/10/25 17:03*	*12/11/25 12:57*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*12/10/25 17:03*	*12/11/25 12:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.6**		10.0		mg/Kg			12/11/25 15:18	1

Client Sample ID: CS - 19

Lab Sample ID: 890-9206-9
Matrix: Solid
Date Collected: 12/10/25 09:50
Date Received: 12/10/25 15:12
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 12:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 12:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 12:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/11/25 09:08	12/11/25 12:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 12:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/11/25 09:08	12/11/25 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/11/25 09:08*	*12/11/25 12:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/11/25 09:08*	*12/11/25 12:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/11/25 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/11/25 13:27	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	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 13:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 13:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/10/25 17:03*	*12/11/25 13:27*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/10/25 17:03*	*12/11/25 13:27*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 19
Date Collected: 12/10/25 09:50
Date Received: 12/10/25 15:12
Sample Depth: 2

Lab Sample ID: 890-9206-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.3		10.1		mg/Kg			12/11/25 16:07	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9206-1	CS - 11	94	88
890-9206-1 MS	CS - 11	100	100
890-9206-1 MSD	CS - 11	95	97
890-9206-2	CS - 12	101	90
890-9206-3	CS - 13	101	96
890-9206-4	CS - 14	98	86
890-9206-5	CS - 15	98	92
890-9206-6	CS - 16	97	94
890-9206-7	CS - 17	106	93
890-9206-8	CS - 18	108	99
890-9206-9	CS - 19	109	99
LCS 880-126324/1-A	Lab Control Sample	106	106
LCS 880-126325/1-A	Lab Control Sample	97	97
LCSD 880-126324/2-A	Lab Control Sample Dup	103	102
LCSD 880-126325/2-A	Lab Control Sample Dup	82	80
MB 880-126324/5-A	Method Blank	114	99
MB 880-126325/5-A	Method Blank	106	87

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9206-1	CS - 11	117	136 S1+
890-9206-2	CS - 12	94	106
890-9206-3	CS - 13	94	106
890-9206-4	CS - 14	119	132 S1+
890-9206-5	CS - 15	119	137 S1+
890-9206-6	CS - 16	130	142 S1+
890-9206-7	CS - 17	131 S1+	150 S1+
890-9206-8	CS - 18	121	137 S1+
890-9206-9	CS - 19	104	118
LCS 880-126295/2-A	Lab Control Sample	101	121
LCSD 880-126295/3-A	Lab Control Sample Dup	101	120
MB 880-126295/1-A	Method Blank	113	124

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126324/5-A
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/11/25 09:08	12/11/25 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/11/25 09:08*	*12/11/25 10:12*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/11/25 09:08*	*12/11/25 10:12*	*1*

Lab Sample ID: LCS 880-126324/1-A
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09747		mg/Kg		97	70 - 130
Toluene	0.100	0.09132		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09542		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1782		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09188		mg/Kg		92	70 - 130

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

Lab Sample ID: LCSD 880-126324/2-A
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126324

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09499		mg/Kg		95	70 - 130	3	35
Toluene	0.100	0.09195		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.09530		mg/Kg		95	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1791		mg/Kg		90	70 - 130	0	35
o-Xylene	0.100	0.09185		mg/Kg		92	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-126325/5-A
Matrix: Solid
Analysis Batch: 126307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 10:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 10:12	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-126325/5-A
Matrix: Solid
Analysis Batch: 126307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 10:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/11/25 09:11	12/11/25 10:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:11	12/11/25 10:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/11/25 09:11	12/11/25 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/11/25 09:11*	*12/11/25 10:12*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*12/11/25 09:11*	*12/11/25 10:12*	*1*

Lab Sample ID: LCS 880-126325/1-A
Matrix: Solid
Analysis Batch: 126307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09989		mg/Kg		100	70 - 130
Toluene	0.100	0.1014		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2022		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09631		mg/Kg		96	70 - 130

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

Lab Sample ID: LCSD 880-126325/2-A
Matrix: Solid
Analysis Batch: 126307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08781		mg/Kg		88	70 - 130	13	35
Toluene	0.100	0.09127		mg/Kg		91	70 - 130	11	35
Ethylbenzene	0.100	0.05645	*- *1	mg/Kg		56	70 - 130	58	35
m-Xylene & p-Xylene	0.200	0.1178	*- *1	mg/Kg		59	70 - 130	53	35
o-Xylene	0.100	0.07885		mg/Kg		79	70 - 130	20	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*

Lab Sample ID: 890-9206-1 MS
Matrix: Solid
Analysis Batch: 126307

Client Sample ID: CS - 11
Prep Type: Total/NA
Prep Batch: 126325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08886		mg/Kg		89	70 - 130
Toluene	<0.00200	U	0.100	0.09361		mg/Kg		94	70 - 130
Ethylbenzene	<0.00200	U *- *1	0.100	0.09837		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00399	U *- *1	0.200	0.1990		mg/Kg		99	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9206-1 MS
Matrix: Solid
Analysis Batch: 126307

Client Sample ID: CS - 11
Prep Type: Total/NA
Prep Batch: 126325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.100	0.09573		mg/Kg		96	70 - 130

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

Lab Sample ID: 890-9206-1 MSD
Matrix: Solid
Analysis Batch: 126307

Client Sample ID: CS - 11
Prep Type: Total/NA
Prep Batch: 126325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09478		mg/Kg		95	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.09967		mg/Kg		100	70 - 130	6	35
Ethylbenzene	<0.00200	U *- *1	0.100	0.1019		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U *- *1	0.200	0.2048		mg/Kg		102	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09699		mg/Kg		97	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-126295/1-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 05:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 05:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 05:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/10/25 17:03*	*12/11/25 05:06*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/10/25 17:03*	*12/11/25 05:06*	*1*

Lab Sample ID: LCS 880-126295/2-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	884.0		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	917.5		mg/Kg		92	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-126295/2-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126295

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-126295/3-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126295

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	896.5		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	897.4		mg/Kg		90	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	120		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126305/1-A
Matrix: Solid
Analysis Batch: 126310

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/11/25 09:59	1

Lab Sample ID: LCS 880-126305/2-A
Matrix: Solid
Analysis Batch: 126310

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	248.1		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-126305/3-A
Matrix: Solid
Analysis Batch: 126310

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	248.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-9206-6 MS
Matrix: Solid
Analysis Batch: 126310

Client Sample ID: CS - 16
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	13.8	F1 F2	249	267.6		mg/Kg		102	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9206-6 MSD
Matrix: Solid
Analysis Batch: 126310

Client Sample ID: CS - 16
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.8	F1 F2	249	209.0	F1 F2	mg/Kg		78	90 - 110	25	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 126306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-7	CS - 17	Total/NA	Solid	8021B	126324
890-9206-8	CS - 18	Total/NA	Solid	8021B	126324
890-9206-9	CS - 19	Total/NA	Solid	8021B	126324
MB 880-126324/5-A	Method Blank	Total/NA	Solid	8021B	126324
LCS 880-126324/1-A	Lab Control Sample	Total/NA	Solid	8021B	126324
LCSD 880-126324/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126324

Analysis Batch: 126307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-1	CS - 11	Total/NA	Solid	8021B	126325
890-9206-2	CS - 12	Total/NA	Solid	8021B	126325
890-9206-3	CS - 13	Total/NA	Solid	8021B	126325
890-9206-4	CS - 14	Total/NA	Solid	8021B	126325
890-9206-5	CS - 15	Total/NA	Solid	8021B	126325
890-9206-6	CS - 16	Total/NA	Solid	8021B	126325
MB 880-126325/5-A	Method Blank	Total/NA	Solid	8021B	126325
LCS 880-126325/1-A	Lab Control Sample	Total/NA	Solid	8021B	126325
LCSD 880-126325/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126325
890-9206-1 MS	CS - 11	Total/NA	Solid	8021B	126325
890-9206-1 MSD	CS - 11	Total/NA	Solid	8021B	126325

Prep Batch: 126324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-7	CS - 17	Total/NA	Solid	5035	
890-9206-8	CS - 18	Total/NA	Solid	5035	
890-9206-9	CS - 19	Total/NA	Solid	5035	
MB 880-126324/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126324/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126324/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 126325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-1	CS - 11	Total/NA	Solid	5035	
890-9206-2	CS - 12	Total/NA	Solid	5035	
890-9206-3	CS - 13	Total/NA	Solid	5035	
890-9206-4	CS - 14	Total/NA	Solid	5035	
890-9206-5	CS - 15	Total/NA	Solid	5035	
890-9206-6	CS - 16	Total/NA	Solid	5035	
MB 880-126325/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126325/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126325/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9206-1 MS	CS - 11	Total/NA	Solid	5035	
890-9206-1 MSD	CS - 11	Total/NA	Solid	5035	

Analysis Batch: 126422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-1	CS - 11	Total/NA	Solid	Total BTEX	
890-9206-2	CS - 12	Total/NA	Solid	Total BTEX	
890-9206-3	CS - 13	Total/NA	Solid	Total BTEX	
890-9206-4	CS - 14	Total/NA	Solid	Total BTEX	
890-9206-5	CS - 15	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 126422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-6	CS - 16	Total/NA	Solid	Total BTEX	
890-9206-7	CS - 17	Total/NA	Solid	Total BTEX	
890-9206-8	CS - 18	Total/NA	Solid	Total BTEX	
890-9206-9	CS - 19	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-1	CS - 11	Total/NA	Solid	8015NM Prep	
890-9206-2	CS - 12	Total/NA	Solid	8015NM Prep	
890-9206-3	CS - 13	Total/NA	Solid	8015NM Prep	
890-9206-4	CS - 14	Total/NA	Solid	8015NM Prep	
890-9206-5	CS - 15	Total/NA	Solid	8015NM Prep	
890-9206-6	CS - 16	Total/NA	Solid	8015NM Prep	
890-9206-7	CS - 17	Total/NA	Solid	8015NM Prep	
890-9206-8	CS - 18	Total/NA	Solid	8015NM Prep	
890-9206-9	CS - 19	Total/NA	Solid	8015NM Prep	
MB 880-126295/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126295/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126295/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-1	CS - 11	Total/NA	Solid	8015B NM	126295
890-9206-2	CS - 12	Total/NA	Solid	8015B NM	126295
890-9206-3	CS - 13	Total/NA	Solid	8015B NM	126295
890-9206-4	CS - 14	Total/NA	Solid	8015B NM	126295
890-9206-5	CS - 15	Total/NA	Solid	8015B NM	126295
890-9206-6	CS - 16	Total/NA	Solid	8015B NM	126295
890-9206-7	CS - 17	Total/NA	Solid	8015B NM	126295
890-9206-8	CS - 18	Total/NA	Solid	8015B NM	126295
890-9206-9	CS - 19	Total/NA	Solid	8015B NM	126295
MB 880-126295/1-A	Method Blank	Total/NA	Solid	8015B NM	126295
LCS 880-126295/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126295
LCSD 880-126295/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126295

Analysis Batch: 126418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-1	CS - 11	Total/NA	Solid	8015 NM	
890-9206-2	CS - 12	Total/NA	Solid	8015 NM	
890-9206-3	CS - 13	Total/NA	Solid	8015 NM	
890-9206-4	CS - 14	Total/NA	Solid	8015 NM	
890-9206-5	CS - 15	Total/NA	Solid	8015 NM	
890-9206-6	CS - 16	Total/NA	Solid	8015 NM	
890-9206-7	CS - 17	Total/NA	Solid	8015 NM	
890-9206-8	CS - 18	Total/NA	Solid	8015 NM	
890-9206-9	CS - 19	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 126305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-1	CS - 11	Soluble	Solid	DI Leach	
890-9206-2	CS - 12	Soluble	Solid	DI Leach	
890-9206-3	CS - 13	Soluble	Solid	DI Leach	
890-9206-4	CS - 14	Soluble	Solid	DI Leach	
890-9206-5	CS - 15	Soluble	Solid	DI Leach	
890-9206-6	CS - 16	Soluble	Solid	DI Leach	
890-9206-7	CS - 17	Soluble	Solid	DI Leach	
890-9206-8	CS - 18	Soluble	Solid	DI Leach	
890-9206-9	CS - 19	Soluble	Solid	DI Leach	
MB 880-126305/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126305/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126305/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9206-6 MS	CS - 16	Soluble	Solid	DI Leach	
890-9206-6 MSD	CS - 16	Soluble	Solid	DI Leach	

Analysis Batch: 126310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9206-1	CS - 11	Soluble	Solid	300.0	126305
890-9206-2	CS - 12	Soluble	Solid	300.0	126305
890-9206-3	CS - 13	Soluble	Solid	300.0	126305
890-9206-4	CS - 14	Soluble	Solid	300.0	126305
890-9206-5	CS - 15	Soluble	Solid	300.0	126305
890-9206-6	CS - 16	Soluble	Solid	300.0	126305
890-9206-7	CS - 17	Soluble	Solid	300.0	126305
890-9206-8	CS - 18	Soluble	Solid	300.0	126305
890-9206-9	CS - 19	Soluble	Solid	300.0	126305
MB 880-126305/1-A	Method Blank	Soluble	Solid	300.0	126305
LCS 880-126305/2-A	Lab Control Sample	Soluble	Solid	300.0	126305
LCSD 880-126305/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126305
890-9206-6 MS	CS - 16	Soluble	Solid	300.0	126305
890-9206-6 MSD	CS - 16	Soluble	Solid	300.0	126305

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 11
Date Collected: 12/10/25 09:10
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126325	12/11/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126307	12/11/25 11:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 11:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			126418	12/11/25 11:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 11:11	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	126310	12/11/25 14:33	CS	EET MID

Client Sample ID: CS - 12
Date Collected: 12/10/25 09:15
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126325	12/11/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126307	12/11/25 11:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 11:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			126418	12/11/25 11:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 11:26	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 14:38	CS	EET MID

Client Sample ID: CS - 13
Date Collected: 12/10/25 09:20
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126325	12/11/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126307	12/11/25 11:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 11:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			126418	12/11/25 11:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 11:41	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 14:43	CS	EET MID

Client Sample ID: CS - 14
Date Collected: 12/10/25 09:25
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126325	12/11/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126307	12/11/25 12:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 12:10	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 14
Date Collected: 12/10/25 09:25
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126418	12/11/25 11:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 11:56	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 14:48	CS	EET MID

Client Sample ID: CS - 15
Date Collected: 12/10/25 09:30
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126325	12/11/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126307	12/11/25 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 12:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			126418	12/11/25 12:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 12:11	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 14:53	CS	EET MID

Client Sample ID: CS - 16
Date Collected: 12/10/25 09:35
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126325	12/11/25 09:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126307	12/11/25 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 12:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			126418	12/11/25 12:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 12:26	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 14:58	CS	EET MID

Client Sample ID: CS - 17
Date Collected: 12/10/25 09:40
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126324	12/11/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126306	12/11/25 11:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 11:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			126418	12/11/25 12:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 12:41	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Client Sample ID: CS - 17
Date Collected: 12/10/25 09:40
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 15:13	CS	EET MID

Client Sample ID: CS - 18
Date Collected: 12/10/25 09:45
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126324	12/11/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126306	12/11/25 12:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 12:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			126418	12/11/25 12:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 12:57	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 15:18	CS	EET MID

Client Sample ID: CS - 19
Date Collected: 12/10/25 09:50
Date Received: 12/10/25 15:12

Lab Sample ID: 890-9206-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126324	12/11/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126306	12/11/25 12:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126422	12/11/25 12:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			126418	12/11/25 13:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 13:27	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 16:07	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9206-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9206-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9206-1	CS - 11	Solid	12/10/25 09:10	12/10/25 15:12	2
890-9206-2	CS - 12	Solid	12/10/25 09:15	12/10/25 15:12	2
890-9206-3	CS - 13	Solid	12/10/25 09:20	12/10/25 15:12	2
890-9206-4	CS - 14	Solid	12/10/25 09:25	12/10/25 15:12	2
890-9206-5	CS - 15	Solid	12/10/25 09:30	12/10/25 15:12	2
890-9206-6	CS - 16	Solid	12/10/25 09:35	12/10/25 15:12	2
890-9206-7	CS - 17	Solid	12/10/25 09:40	12/10/25 15:12	2
890-9206-8	CS - 18	Solid	12/10/25 09:45	12/10/25 15:12	2
890-9206-9	CS - 19	Solid	12/10/25 09:50	12/10/25 15:12	2

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.6
Total Containers:		Corrected Temperature:	0.4

ANALYSIS REQUEST

890-9206 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
CS-11	S	12.10.25	9:10	2	Comp	1	X	X	X		X
CS-12	S	12.10.25	9:15	2	Comp	1	X	X	X		X
CS-13	S	12.10.25	9:20	2	Comp	1	X	X	X		X
CS-14	S	12.10.25	9:25	2	Comp	1	X	X	X		X
CS-15	S	12.10.25	9:30	2	Comp	1	X	X	X		X
CS-16	S	12.10.25	9:35	2	Comp	1	X	X	X		X
CS-17	S	12.10.25	9:40	2	Comp	1	X	X	X		X
CS-18	S	12.10.25	9:45	2	Comp	1	X	X	X		X
CS-19	S	12.10.25	9:50	2	Comp	1	X	X	X		X

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 Michael Benini	Burns	12-10 15:12	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6247.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9206-1
Address: 1211 W. Florida Ave,	Due Date Requested: 12/11/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: EAST LOOP 20" HP	Project #: 88002337			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_PrepTPH 8015	8015MOD_Calc8015 Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV(MOD) Total BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
CS - 11 (890-9206-1)	12/10/25	09:10 Mountain	G	Solid			X	X	X	X	X	1	
CS - 12 (890-9206-2)	12/10/25	09:15 Mountain	G	Solid			X	X	X	X	X	1	
CS - 13 (890-9206-3)	12/10/25	09:20 Mountain	G	Solid			X	X	X	X	X	1	
CS - 14 (890-9206-4)	12/10/25	09:25 Mountain	G	Solid			X	X	X	X	X	1	
CS - 15 (890-9206-5)	12/10/25	09:30 Mountain	G	Solid			X	X	X	X	X	1	
CS - 16 (890-9206-6)	12/10/25	09:35 Mountain	G	Solid			X	X	X	X	X	1	
CS - 17 (890-9206-7)	12/10/25	09:40 Mountain	G	Solid			X	X	X	X	X	1	
CS - 18 (890-9206-8)	12/10/25	09:45 Mountain	G	Solid			X	X	X	X	X	1	
CS - 19 (890-9206-9)	12/10/25	09:50 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Teddy Rankin	Date/Time: 12/11/25 0800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4/1.3 IR-8 (-0.1)

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9206-1
SDG Number: Lea County, NM

Login Number: 9206
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9206-1
SDG Number: Lea County, NM

Login Number: 9206
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 12/11/25 07:42 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 12/15/2025 2:54:39 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9229-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 3/3/2026 2:23:29 PM

my EOL

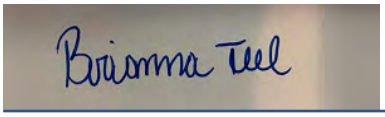
Eurofins Carlsbad

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9229-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Earth Systems Response and Restoration Job ID: 890-9229-1
Project: East Loop 20" HP

Job ID: 890-9229-1 Eurofins Carlsbad

Job Narrative
890-9229-1

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 12/12/2025 2:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 20 (890-9229-1), CS - 21 (890-9229-2), CS - 22 (890-9229-3), CS - 23 (890-9229-4), CS - 24 (890-9229-5), CS - 25 (890-9229-6), CS - 26 (890-9229-7), CS - 27 (890-9229-8), CS - 28 (890-9229-9), CS - 29 (890-9229-10), CS - 30 (890-9229-11), CS - 31 (890-9229-12), CS - 32 (890-9229-13), CS - 33 (890-9229-14), CS - 34 (890-9229-15), CS - 35 (890-9229-16), CS - 36 (890-9229-17) and CS - 37 (890-9229-18).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126608 and analytical batch 880-126590 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-126582 and analytical batch 880-126600 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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.

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 20

Lab Sample ID: 890-9229-1
Matrix: Solid
Date Collected: 12/12/25 09:45
Date Received: 12/12/25 14:25
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		12/13/25 08:15	12/14/25 12:45	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		12/13/25 08:15	12/14/25 12:45	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		12/13/25 08:15	12/14/25 12:45	1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399		mg/Kg		12/13/25 08:15	12/14/25 12:45	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		12/13/25 08:15	12/14/25 12:45	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		12/13/25 08:15	12/14/25 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/13/25 08:15*	*12/14/25 12:45*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/13/25 08:15*	*12/14/25 12:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 12:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/15/25 01:21	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	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 01:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 01:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*12/12/25 16:31*	*12/15/25 01:21*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/12/25 16:31*	*12/15/25 01:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/15/25 10:16	1

Client Sample ID: CS - 21

Lab Sample ID: 890-9229-2
Matrix: Solid
Date Collected: 12/12/25 09:50
Date Received: 12/12/25 14:25
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 13:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 13:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 13:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:15	12/14/25 13:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 13:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:15	12/14/25 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/13/25 08:15*	*12/14/25 13:06*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 21

Lab Sample ID: 890-9229-2
Matrix: Solid
Date Collected: 12/12/25 09:50
Date Received: 12/12/25 14:25
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/25 08:15*	*12/14/25 13:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/14/25 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/15/25 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 01:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 01:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/12/25 16:31*	*12/15/25 01:35*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/12/25 16:31*	*12/15/25 01:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			12/15/25 10:21	1

Client Sample ID: CS - 22

Lab Sample ID: 890-9229-3
Matrix: Solid
Date Collected: 12/12/25 09:55
Date Received: 12/12/25 14:25
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 13:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 13:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 13:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 13:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 13:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/13/25 08:15*	*12/14/25 13:26*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/25 08:15*	*12/14/25 13:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/15/25 01:48	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 22

Lab Sample ID: 890-9229-3
Matrix: Solid
Date Collected: 12/12/25 09:55
Date Received: 12/12/25 14:25
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 01:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 01:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*12/12/25 16:31*	*12/15/25 01:48*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/12/25 16:31*	*12/15/25 01:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.1**		10.1		mg/Kg			12/15/25 10:26	1

Client Sample ID: CS - 23

Lab Sample ID: 890-9229-4
Matrix: Solid
Date Collected: 12/12/25 10:05
Date Received: 12/12/25 14:25
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:15	12/14/25 13:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:15	12/14/25 13:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:15	12/14/25 13:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/25 08:15	12/14/25 13:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:15	12/14/25 13:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/25 08:15	12/14/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/13/25 08:15*	*12/14/25 13:47*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/13/25 08:15*	*12/14/25 13:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/14/25 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/15/25 02:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/12/25 16:31	12/15/25 02:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/12/25 16:31	12/15/25 02:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/25 16:31	12/15/25 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/12/25 16:31*	*12/15/25 02:03*	*1*
o-Terphenyl	*130*		*70 - 130*	*12/12/25 16:31*	*12/15/25 02:03*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 23

Lab Sample ID: 890-9229-4
Matrix: Solid
Date Collected: 12/12/25 10:05
Date Received: 12/12/25 14:25
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		10.1		mg/Kg			12/15/25 10:41	1

Client Sample ID: CS - 24

Lab Sample ID: 890-9229-5
Matrix: Solid
Date Collected: 12/12/25 10:10
Date Received: 12/12/25 14:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 14:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 14:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 14:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:15	12/14/25 14:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 14:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:15	12/14/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/13/25 08:15*	*12/14/25 14:07*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/13/25 08:15*	*12/14/25 14:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 21:21	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	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		12/12/25 16:33	12/14/25 21:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/12/25 16:33*	*12/14/25 21:21*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/12/25 16:33*	*12/14/25 21:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		9.92		mg/Kg			12/15/25 10:46	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 25

Lab Sample ID: 890-9229-6
Matrix: Solid
Date Collected: 12/12/25 10:15
Date Received: 12/12/25 14:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 14:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 14:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 14:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:15	12/14/25 14:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 14:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:15	12/14/25 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*12/13/25 08:15*	*12/14/25 14:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/13/25 08:15*	*12/14/25 14:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/14/25 14:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 22:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 22:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*12/12/25 16:33*	*12/14/25 22:05*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/12/25 16:33*	*12/14/25 22:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			12/15/25 11:01	1

Client Sample ID: CS - 26

Lab Sample ID: 890-9229-7
Matrix: Solid
Date Collected: 12/12/25 10:20
Date Received: 12/12/25 14:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:15	12/14/25 14:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:15	12/14/25 14:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:15	12/14/25 14:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/13/25 08:15	12/14/25 14:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:15	12/14/25 14:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/13/25 08:15	12/14/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/13/25 08:15*	*12/14/25 14:48*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 26

Date Collected: 12/12/25 10:20
Date Received: 12/12/25 14:25
Sample Depth: 6

Lab Sample ID: 890-9229-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/13/25 08:15*	*12/14/25 14:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/14/25 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/14/25 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/14/25 22:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/14/25 22:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/14/25 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/12/25 16:33*	*12/14/25 22:19*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/12/25 16:33*	*12/14/25 22:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**223**		9.92		mg/Kg			12/15/25 11:06	1

Client Sample ID: CS - 27

Date Collected: 12/12/25 08:00
Date Received: 12/12/25 14:25
Sample Depth: 25

Lab Sample ID: 890-9229-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 15:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 15:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 15:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 15:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 15:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/13/25 08:15*	*12/14/25 15:08*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/13/25 08:15*	*12/14/25 15:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 22:34	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 27

Lab Sample ID: 890-9229-8
Matrix: Solid
Date Collected: 12/12/25 08:00
Date Received: 12/12/25 14:25
Sample Depth: 25

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	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 22:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 22:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/12/25 16:33*	*12/14/25 22:34*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/12/25 16:33*	*12/14/25 22:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		10.1		mg/Kg			12/15/25 11:11	1

Client Sample ID: CS - 28

Lab Sample ID: 890-9229-9
Matrix: Solid
Date Collected: 12/12/25 08:05
Date Received: 12/12/25 14:25
Sample Depth: 25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:15	12/14/25 15:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:15	12/14/25 15:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:15	12/14/25 15:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/25 08:15	12/14/25 15:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:15	12/14/25 15:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/25 08:15	12/14/25 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/13/25 08:15*	*12/14/25 15:29*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/13/25 08:15*	*12/14/25 15:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/14/25 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/14/25 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/14/25 22:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/14/25 22:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/14/25 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*12/12/25 16:33*	*12/14/25 22:49*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/12/25 16:33*	*12/14/25 22:49*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 28

Lab Sample ID: 890-9229-9
Matrix: Solid
Date Collected: 12/12/25 08:05
Date Received: 12/12/25 14:25
Sample Depth: 25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	259		10.0		mg/Kg			12/15/25 11:16	1

Client Sample ID: CS - 29

Lab Sample ID: 890-9229-10
Matrix: Solid
Date Collected: 12/12/25 08:10
Date Received: 12/12/25 14:25
Sample Depth: 25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 15:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 15:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 15:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:15	12/14/25 15:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 15:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:15	12/14/25 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/13/25 08:15*	*12/14/25 15:49*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/13/25 08:15*	*12/14/25 15:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/14/25 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/14/25 23:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/14/25 23:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/14/25 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/12/25 16:33*	*12/14/25 23:03*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/12/25 16:33*	*12/14/25 23:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	237		9.96		mg/Kg			12/15/25 10:17	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 30

Lab Sample ID: 890-9229-11
Matrix: Solid
Date Collected: 12/12/25 09:25
Date Received: 12/12/25 14:25
Sample Depth: 18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 17:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 17:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 17:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 17:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 17:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/13/25 08:15*	*12/14/25 17:22*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/13/25 08:15*	*12/14/25 17:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 23:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 23:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 23:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*12/12/25 16:33*	*12/14/25 23:18*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/12/25 16:33*	*12/14/25 23:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		9.98		mg/Kg			12/15/25 10:33	1

Client Sample ID: CS - 31

Lab Sample ID: 890-9229-12
Matrix: Solid
Date Collected: 12/12/25 09:30
Date Received: 12/12/25 14:25
Sample Depth: 18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 17:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 17:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:15	12/14/25 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 17:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:15	12/14/25 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/13/25 08:15*	*12/14/25 17:43*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 31

Date Collected: 12/12/25 09:30
Date Received: 12/12/25 14:25
Sample Depth: 18

Lab Sample ID: 890-9229-12
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/13/25 08:15*	*12/14/25 17:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/14/25 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/12/25 16:33	12/14/25 23:32	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/12/25 16:33	12/14/25 23:32	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/12/25 16:33	12/14/25 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*12/12/25 16:33*	*12/14/25 23:32*	*1*
o-Terphenyl	*85*		*70 - 130*	*12/12/25 16:33*	*12/14/25 23:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		9.92		mg/Kg			12/15/25 10:38	1

Client Sample ID: CS - 32

Date Collected: 12/12/25 09:35
Date Received: 12/12/25 14:25
Sample Depth: 16

Lab Sample ID: 890-9229-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 18:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 18:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 18:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:15	12/14/25 18:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 18:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:15	12/14/25 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/13/25 08:15*	*12/14/25 18:03*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/13/25 08:15*	*12/14/25 18:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/14/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 23:46	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 32

Lab Sample ID: 890-9229-13
Matrix: Solid
Date Collected: 12/12/25 09:35
Date Received: 12/12/25 14:25
Sample Depth: 16

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	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 23:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 23:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/12/25 16:33*	*12/14/25 23:46*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/12/25 16:33*	*12/14/25 23:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.9**		9.96		mg/Kg			12/15/25 10:43	1

Client Sample ID: CS - 33

Lab Sample ID: 890-9229-14
Matrix: Solid
Date Collected: 12/12/25 09:40
Date Received: 12/12/25 14:25
Sample Depth: 16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:15	12/14/25 18:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:15	12/14/25 18:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:15	12/14/25 18:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/13/25 08:15	12/14/25 18:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:15	12/14/25 18:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/13/25 08:15	12/14/25 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/13/25 08:15*	*12/14/25 18:24*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/13/25 08:15*	*12/14/25 18:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/14/25 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/15/25 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/15/25 00:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/15/25 00:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/15/25 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/12/25 16:33*	*12/15/25 00:01*	*1*
o-Terphenyl	*91*		*70 - 130*	*12/12/25 16:33*	*12/15/25 00:01*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 33
Date Collected: 12/12/25 09:40
Date Received: 12/12/25 14:25
Sample Depth: 16

Lab Sample ID: 890-9229-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.1		9.92		mg/Kg			12/15/25 10:49	1

Client Sample ID: CS - 34
Date Collected: 12/12/25 10:35
Date Received: 12/12/25 14:25
Sample Depth: 6

Lab Sample ID: 890-9229-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 18:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 18:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 18:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 18:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 18:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*12/13/25 08:15*	*12/14/25 18:44*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/13/25 08:15*	*12/14/25 18:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/15/25 00:30	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	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/15/25 00:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/15/25 00:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/15/25 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/12/25 16:33*	*12/15/25 00:30*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/12/25 16:33*	*12/15/25 00:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			12/15/25 11:05	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 35

Lab Sample ID: 890-9229-16
Matrix: Solid
Date Collected: 12/12/25 10:40
Date Received: 12/12/25 14:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 19:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 19:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 19:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 19:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:15	12/14/25 19:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:15	12/14/25 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/13/25 08:15*	*12/14/25 19:04*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/13/25 08:15*	*12/14/25 19:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/15/25 00:43	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	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/15/25 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/15/25 00:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:33	12/15/25 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/12/25 16:33*	*12/15/25 00:43*	*1*
o-Terphenyl	*88*		*70 - 130*	*12/12/25 16:33*	*12/15/25 00:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			12/15/25 11:10	1

Client Sample ID: CS - 36

Lab Sample ID: 890-9229-17
Matrix: Solid
Date Collected: 12/12/25 10:45
Date Received: 12/12/25 14:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 19:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 19:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 19:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:15	12/14/25 19:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 19:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:15	12/14/25 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/13/25 08:15*	*12/14/25 19:25*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 36

Lab Sample ID: 890-9229-17
Matrix: Solid
Date Collected: 12/12/25 10:45
Date Received: 12/12/25 14:25
Sample Depth: 6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/13/25 08:15*	*12/14/25 19:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/15/25 00:58	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	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/15/25 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/15/25 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/15/25 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*12/12/25 16:33*	*12/15/25 00:58*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/12/25 16:33*	*12/15/25 00:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**207**		10.0		mg/Kg			12/15/25 11:15	1

Client Sample ID: CS - 37

Lab Sample ID: 890-9229-18
Matrix: Solid
Date Collected: 12/12/25 10:50
Date Received: 12/12/25 14:25
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 19:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 19:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 19:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:15	12/14/25 19:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:15	12/14/25 19:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:15	12/14/25 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/13/25 08:15*	*12/14/25 19:45*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/13/25 08:15*	*12/14/25 19:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/14/25 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/15/25 01:12	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 37

Date Collected: 12/12/25 10:50
Date Received: 12/12/25 14:25
Sample Depth: 6

Lab Sample ID: 890-9229-18

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/15/25 01:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/15/25 01:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:33	12/15/25 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*12/12/25 16:33*	*12/15/25 01:12*	*1*
o-Terphenyl	*87*		*70 - 130*	*12/12/25 16:33*	*12/15/25 01:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**217**		10.1		mg/Kg			12/15/25 11:21	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9229-1	CS - 20	109	99
890-9229-1 MS	CS - 20	103	104
890-9229-1 MSD	CS - 20	101	97
890-9229-2	CS - 21	101	98
890-9229-3	CS - 22	96	98
890-9229-4	CS - 23	101	101
890-9229-5	CS - 24	97	96
890-9229-6	CS - 25	101	101
890-9229-7	CS - 26	97	99
890-9229-8	CS - 27	102	97
890-9229-9	CS - 28	96	95
890-9229-10	CS - 29	100	104
890-9229-11	CS - 30	114	93
890-9229-12	CS - 31	102	98
890-9229-13	CS - 32	104	102
890-9229-14	CS - 33	97	95
890-9229-15	CS - 34	99	100
890-9229-16	CS - 35	97	93
890-9229-17	CS - 36	107	102
890-9229-18	CS - 37	104	101
LCS 880-126608/1-A	Lab Control Sample	102	98
LCSD 880-126608/2-A	Lab Control Sample Dup	101	103
MB 880-126366/5-A	Method Blank	99	96
MB 880-126608/5-A	Method Blank	107	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9229-1	CS - 20	117	126
890-9229-2	CS - 21	113	118
890-9229-3	CS - 22	116	124
890-9229-4	CS - 23	124	130
890-9229-5	CS - 24	95	90
890-9229-5 MS	CS - 24	103	87
890-9229-5 MSD	CS - 24	92	79
890-9229-6	CS - 25	80	77
890-9229-7	CS - 26	88	90
890-9229-8	CS - 27	89	89
890-9229-9	CS - 28	99	98
890-9229-10	CS - 29	92	90
890-9229-11	CS - 30	85	84
890-9229-12	CS - 31	84	85
890-9229-13	CS - 32	96	98

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9229-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-9229-14	CS - 33	94	91								
890-9229-15	CS - 34	82	82								
890-9229-16	CS - 35	91	88								
890-9229-17	CS - 36	82	82								
890-9229-18	CS - 37	84	87								
LCS 880-126581/2-A	Lab Control Sample	126	119								
LCS 880-126582/2-A	Lab Control Sample	104	85								
LCSD 880-126581/3-A	Lab Control Sample Dup	126	116								
LCSD 880-126582/3-A	Lab Control Sample Dup	94	94								
MB 880-126581/1-A	Method Blank	110	112								
MB 880-126582/1-A	Method Blank	88	87								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126366/5-A
Matrix: Solid
Analysis Batch: 126590

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/25 13:10	12/14/25 01:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/25 13:10	12/14/25 01:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/11/25 13:10	12/14/25 01:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/11/25 13:10	12/14/25 01:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/25 13:10	12/14/25 01:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/11/25 13:10	12/14/25 01:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*12/11/25 13:10*	*12/14/25 01:29*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/11/25 13:10*	*12/14/25 01:29*	*1*

Lab Sample ID: MB 880-126608/5-A
Matrix: Solid
Analysis Batch: 126590

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 12:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 12:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 12:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/25 08:15	12/14/25 12:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:15	12/14/25 12:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/25 08:15	12/14/25 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/13/25 08:15*	*12/14/25 12:24*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/13/25 08:15*	*12/14/25 12:24*	*1*

Lab Sample ID: LCS 880-126608/1-A
Matrix: Solid
Analysis Batch: 126590

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126608

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09463		mg/Kg		95	70 - 130
Toluene	0.100	0.09486		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09999		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1944		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09985		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-126608/2-A
Matrix: Solid
Analysis Batch: 126590

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126608

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1012		mg/Kg		101	70 - 130	7	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-126608/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126590 — **Prep Batch: 126608**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09285		mg/Kg		93	70 - 130	2	35
Ethylbenzene			0.100	0.09668		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1798		mg/Kg		90	70 - 130	8	35
o-Xylene			0.100	0.09237		mg/Kg		92	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-9229-1 MS — **Client Sample ID: CS - 20**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126590 — **Prep Batch: 126608**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.08726		mg/Kg		87	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.08086		mg/Kg		81	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.08573		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.1592		mg/Kg		80	70 - 130
o-Xylene	<0.00200	U F1 F2	0.100	0.08329		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-9229-1 MSD — **Client Sample ID: CS - 20**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126590 — **Prep Batch: 126608**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.02558	F1 F2	mg/Kg		26	70 - 130	109	35
Toluene	<0.00200	U F1 F2	0.100	0.02508	F1 F2	mg/Kg		25	70 - 130	105	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.02998	F1 F2	mg/Kg		30	70 - 130	96	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.06117	F1 F2	mg/Kg		31	70 - 130	89	35
o-Xylene	<0.00200	U F1 F2	0.100	0.03998	F1 F2	mg/Kg		40	70 - 130	70	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-126581/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126596 — **Prep Batch: 126581**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 19:16	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-126581/1-A
Matrix: Solid
Analysis Batch: 126596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 19:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 19:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/12/25 16:31*	*12/14/25 19:16*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/12/25 16:31*	*12/14/25 19:16*	*1*

Lab Sample ID: LCS 880-126581/2-A
Matrix: Solid
Analysis Batch: 126596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126581

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	924.0		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	886.1		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: LCSD 880-126581/3-A
Matrix: Solid
Analysis Batch: 126596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126581

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	949.8		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	849.7		mg/Kg		85	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: MB 880-126582/1-A
Matrix: Solid
Analysis Batch: 126600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 19:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 19:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:33	12/14/25 19:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/12/25 16:33*	*12/14/25 19:15*	*1*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-126582/1-A
Matrix: Solid
Analysis Batch: 126600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126582

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		70 - 130	12/12/25 16:33	12/14/25 19:15	1

Lab Sample ID: LCS 880-126582/2-A
Matrix: Solid
Analysis Batch: 126600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126582

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	995.4		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	861.0		mg/Kg		86	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: LCSD 880-126582/3-A
Matrix: Solid
Analysis Batch: 126600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126582

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1092		mg/Kg		109	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	978.2		mg/Kg		98	70 - 130	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 890-9229-5 MS
Matrix: Solid
Analysis Batch: 126600

Client Sample ID: CS - 24
Prep Type: Total/NA
Prep Batch: 126582

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	810.3		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	698.1		mg/Kg		70	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	87		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9229-5 MSD
Matrix: Solid
Analysis Batch: 126600

Client Sample ID: CS - 24
Prep Type: Total/NA
Prep Batch: 126582

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	740.9		mg/Kg		71	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	625.5	F1	mg/Kg		62	70 - 130	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126607/1-A
Matrix: Solid
Analysis Batch: 126636

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/15/25 10:01	1

Lab Sample ID: LCS 880-126607/2-A
Matrix: Solid
Analysis Batch: 126636

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.9		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-126607/3-A
Matrix: Solid
Analysis Batch: 126636

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	234.6		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-9229-10 MS
Matrix: Solid
Analysis Batch: 126636

Client Sample ID: CS - 29
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	237		249	491.3		mg/Kg		102	90 - 110

Lab Sample ID: 890-9229-10 MSD
Matrix: Solid
Analysis Batch: 126636

Client Sample ID: CS - 29
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	237		249	491.2		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-126606/1-A
Matrix: Solid
Analysis Batch: 126648

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/15/25 09:02	1

Lab Sample ID: LCS 880-126606/2-A
Matrix: Solid
Analysis Batch: 126648

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	236.2		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-126606/3-A
Matrix: Solid
Analysis Batch: 126648

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	234.6		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 890-9229-3 MS
Matrix: Solid
Analysis Batch: 126648

Client Sample ID: CS - 22
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	44.1		253	306.3		mg/Kg		104	90 - 110		

Lab Sample ID: 890-9229-3 MSD
Matrix: Solid
Analysis Batch: 126648

Client Sample ID: CS - 22
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	44.1		253	305.6		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

GC VOA

Prep Batch: 126366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126366/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 126590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-1	CS - 20	Total/NA	Solid	8021B	126608
890-9229-2	CS - 21	Total/NA	Solid	8021B	126608
890-9229-3	CS - 22	Total/NA	Solid	8021B	126608
890-9229-4	CS - 23	Total/NA	Solid	8021B	126608
890-9229-5	CS - 24	Total/NA	Solid	8021B	126608
890-9229-6	CS - 25	Total/NA	Solid	8021B	126608
890-9229-7	CS - 26	Total/NA	Solid	8021B	126608
890-9229-8	CS - 27	Total/NA	Solid	8021B	126608
890-9229-9	CS - 28	Total/NA	Solid	8021B	126608
890-9229-10	CS - 29	Total/NA	Solid	8021B	126608
890-9229-11	CS - 30	Total/NA	Solid	8021B	126608
890-9229-12	CS - 31	Total/NA	Solid	8021B	126608
890-9229-13	CS - 32	Total/NA	Solid	8021B	126608
890-9229-14	CS - 33	Total/NA	Solid	8021B	126608
890-9229-15	CS - 34	Total/NA	Solid	8021B	126608
890-9229-16	CS - 35	Total/NA	Solid	8021B	126608
890-9229-17	CS - 36	Total/NA	Solid	8021B	126608
890-9229-18	CS - 37	Total/NA	Solid	8021B	126608
MB 880-126366/5-A	Method Blank	Total/NA	Solid	8021B	126366
MB 880-126608/5-A	Method Blank	Total/NA	Solid	8021B	126608
LCS 880-126608/1-A	Lab Control Sample	Total/NA	Solid	8021B	126608
LCSD 880-126608/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126608
890-9229-1 MS	CS - 20	Total/NA	Solid	8021B	126608
890-9229-1 MSD	CS - 20	Total/NA	Solid	8021B	126608

Prep Batch: 126608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-1	CS - 20	Total/NA	Solid	5035	
890-9229-2	CS - 21	Total/NA	Solid	5035	
890-9229-3	CS - 22	Total/NA	Solid	5035	
890-9229-4	CS - 23	Total/NA	Solid	5035	
890-9229-5	CS - 24	Total/NA	Solid	5035	
890-9229-6	CS - 25	Total/NA	Solid	5035	
890-9229-7	CS - 26	Total/NA	Solid	5035	
890-9229-8	CS - 27	Total/NA	Solid	5035	
890-9229-9	CS - 28	Total/NA	Solid	5035	
890-9229-10	CS - 29	Total/NA	Solid	5035	
890-9229-11	CS - 30	Total/NA	Solid	5035	
890-9229-12	CS - 31	Total/NA	Solid	5035	
890-9229-13	CS - 32	Total/NA	Solid	5035	
890-9229-14	CS - 33	Total/NA	Solid	5035	
890-9229-15	CS - 34	Total/NA	Solid	5035	
890-9229-16	CS - 35	Total/NA	Solid	5035	
890-9229-17	CS - 36	Total/NA	Solid	5035	
890-9229-18	CS - 37	Total/NA	Solid	5035	
MB 880-126608/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126608/1-A	Lab Control Sample	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 126608 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-126608/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9229-1 MS	CS - 20	Total/NA	Solid	5035	
890-9229-1 MSD	CS - 20	Total/NA	Solid	5035	

Analysis Batch: 126702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-1	CS - 20	Total/NA	Solid	Total BTEX	
890-9229-2	CS - 21	Total/NA	Solid	Total BTEX	
890-9229-3	CS - 22	Total/NA	Solid	Total BTEX	
890-9229-4	CS - 23	Total/NA	Solid	Total BTEX	
890-9229-5	CS - 24	Total/NA	Solid	Total BTEX	
890-9229-6	CS - 25	Total/NA	Solid	Total BTEX	
890-9229-7	CS - 26	Total/NA	Solid	Total BTEX	
890-9229-8	CS - 27	Total/NA	Solid	Total BTEX	
890-9229-9	CS - 28	Total/NA	Solid	Total BTEX	
890-9229-10	CS - 29	Total/NA	Solid	Total BTEX	
890-9229-11	CS - 30	Total/NA	Solid	Total BTEX	
890-9229-12	CS - 31	Total/NA	Solid	Total BTEX	
890-9229-13	CS - 32	Total/NA	Solid	Total BTEX	
890-9229-14	CS - 33	Total/NA	Solid	Total BTEX	
890-9229-15	CS - 34	Total/NA	Solid	Total BTEX	
890-9229-16	CS - 35	Total/NA	Solid	Total BTEX	
890-9229-17	CS - 36	Total/NA	Solid	Total BTEX	
890-9229-18	CS - 37	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-1	CS - 20	Total/NA	Solid	8015NM Prep	
890-9229-2	CS - 21	Total/NA	Solid	8015NM Prep	
890-9229-3	CS - 22	Total/NA	Solid	8015NM Prep	
890-9229-4	CS - 23	Total/NA	Solid	8015NM Prep	
MB 880-126581/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126581/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126581/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 126582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-5	CS - 24	Total/NA	Solid	8015NM Prep	
890-9229-6	CS - 25	Total/NA	Solid	8015NM Prep	
890-9229-7	CS - 26	Total/NA	Solid	8015NM Prep	
890-9229-8	CS - 27	Total/NA	Solid	8015NM Prep	
890-9229-9	CS - 28	Total/NA	Solid	8015NM Prep	
890-9229-10	CS - 29	Total/NA	Solid	8015NM Prep	
890-9229-11	CS - 30	Total/NA	Solid	8015NM Prep	
890-9229-12	CS - 31	Total/NA	Solid	8015NM Prep	
890-9229-13	CS - 32	Total/NA	Solid	8015NM Prep	
890-9229-14	CS - 33	Total/NA	Solid	8015NM Prep	
890-9229-15	CS - 34	Total/NA	Solid	8015NM Prep	
890-9229-16	CS - 35	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 126582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-17	CS - 36	Total/NA	Solid	8015NM Prep	
890-9229-18	CS - 37	Total/NA	Solid	8015NM Prep	
MB 880-126582/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126582/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126582/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9229-5 MS	CS - 24	Total/NA	Solid	8015NM Prep	
890-9229-5 MSD	CS - 24	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-1	CS - 20	Total/NA	Solid	8015B NM	126581
890-9229-2	CS - 21	Total/NA	Solid	8015B NM	126581
890-9229-3	CS - 22	Total/NA	Solid	8015B NM	126581
890-9229-4	CS - 23	Total/NA	Solid	8015B NM	126581
MB 880-126581/1-A	Method Blank	Total/NA	Solid	8015B NM	126581
LCS 880-126581/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126581
LCSD 880-126581/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126581

Analysis Batch: 126600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-5	CS - 24	Total/NA	Solid	8015B NM	126582
890-9229-6	CS - 25	Total/NA	Solid	8015B NM	126582
890-9229-7	CS - 26	Total/NA	Solid	8015B NM	126582
890-9229-8	CS - 27	Total/NA	Solid	8015B NM	126582
890-9229-9	CS - 28	Total/NA	Solid	8015B NM	126582
890-9229-10	CS - 29	Total/NA	Solid	8015B NM	126582
890-9229-11	CS - 30	Total/NA	Solid	8015B NM	126582
890-9229-12	CS - 31	Total/NA	Solid	8015B NM	126582
890-9229-13	CS - 32	Total/NA	Solid	8015B NM	126582
890-9229-14	CS - 33	Total/NA	Solid	8015B NM	126582
890-9229-15	CS - 34	Total/NA	Solid	8015B NM	126582
890-9229-16	CS - 35	Total/NA	Solid	8015B NM	126582
890-9229-17	CS - 36	Total/NA	Solid	8015B NM	126582
890-9229-18	CS - 37	Total/NA	Solid	8015B NM	126582
MB 880-126582/1-A	Method Blank	Total/NA	Solid	8015B NM	126582
LCS 880-126582/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126582
LCSD 880-126582/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126582
890-9229-5 MS	CS - 24	Total/NA	Solid	8015B NM	126582
890-9229-5 MSD	CS - 24	Total/NA	Solid	8015B NM	126582

Analysis Batch: 126671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-1	CS - 20	Total/NA	Solid	8015 NM	
890-9229-2	CS - 21	Total/NA	Solid	8015 NM	
890-9229-3	CS - 22	Total/NA	Solid	8015 NM	
890-9229-4	CS - 23	Total/NA	Solid	8015 NM	
890-9229-5	CS - 24	Total/NA	Solid	8015 NM	
890-9229-6	CS - 25	Total/NA	Solid	8015 NM	
890-9229-7	CS - 26	Total/NA	Solid	8015 NM	
890-9229-8	CS - 27	Total/NA	Solid	8015 NM	
890-9229-9	CS - 28	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 126671 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-10	CS - 29	Total/NA	Solid	8015 NM	
890-9229-11	CS - 30	Total/NA	Solid	8015 NM	
890-9229-12	CS - 31	Total/NA	Solid	8015 NM	
890-9229-13	CS - 32	Total/NA	Solid	8015 NM	
890-9229-14	CS - 33	Total/NA	Solid	8015 NM	
890-9229-15	CS - 34	Total/NA	Solid	8015 NM	
890-9229-16	CS - 35	Total/NA	Solid	8015 NM	
890-9229-17	CS - 36	Total/NA	Solid	8015 NM	
890-9229-18	CS - 37	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 126606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-1	CS - 20	Soluble	Solid	DI Leach	
890-9229-2	CS - 21	Soluble	Solid	DI Leach	
890-9229-3	CS - 22	Soluble	Solid	DI Leach	
890-9229-4	CS - 23	Soluble	Solid	DI Leach	
890-9229-5	CS - 24	Soluble	Solid	DI Leach	
890-9229-6	CS - 25	Soluble	Solid	DI Leach	
890-9229-7	CS - 26	Soluble	Solid	DI Leach	
890-9229-8	CS - 27	Soluble	Solid	DI Leach	
890-9229-9	CS - 28	Soluble	Solid	DI Leach	
MB 880-126606/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126606/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126606/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9229-3 MS	CS - 22	Soluble	Solid	DI Leach	
890-9229-3 MSD	CS - 22	Soluble	Solid	DI Leach	

Leach Batch: 126607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-10	CS - 29	Soluble	Solid	DI Leach	
890-9229-11	CS - 30	Soluble	Solid	DI Leach	
890-9229-12	CS - 31	Soluble	Solid	DI Leach	
890-9229-13	CS - 32	Soluble	Solid	DI Leach	
890-9229-14	CS - 33	Soluble	Solid	DI Leach	
890-9229-15	CS - 34	Soluble	Solid	DI Leach	
890-9229-16	CS - 35	Soluble	Solid	DI Leach	
890-9229-17	CS - 36	Soluble	Solid	DI Leach	
890-9229-18	CS - 37	Soluble	Solid	DI Leach	
MB 880-126607/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126607/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126607/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9229-10 MS	CS - 29	Soluble	Solid	DI Leach	
890-9229-10 MSD	CS - 29	Soluble	Solid	DI Leach	

Analysis Batch: 126636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-10	CS - 29	Soluble	Solid	300.0	126607
890-9229-11	CS - 30	Soluble	Solid	300.0	126607
890-9229-12	CS - 31	Soluble	Solid	300.0	126607

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 126636 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-13	CS - 32	Soluble	Solid	300.0	126607
890-9229-14	CS - 33	Soluble	Solid	300.0	126607
890-9229-15	CS - 34	Soluble	Solid	300.0	126607
890-9229-16	CS - 35	Soluble	Solid	300.0	126607
890-9229-17	CS - 36	Soluble	Solid	300.0	126607
890-9229-18	CS - 37	Soluble	Solid	300.0	126607
MB 880-126607/1-A	Method Blank	Soluble	Solid	300.0	126607
LCS 880-126607/2-A	Lab Control Sample	Soluble	Solid	300.0	126607
LCSD 880-126607/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126607
890-9229-10 MS	CS - 29	Soluble	Solid	300.0	126607
890-9229-10 MSD	CS - 29	Soluble	Solid	300.0	126607

Analysis Batch: 126648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9229-1	CS - 20	Soluble	Solid	300.0	126606
890-9229-2	CS - 21	Soluble	Solid	300.0	126606
890-9229-3	CS - 22	Soluble	Solid	300.0	126606
890-9229-4	CS - 23	Soluble	Solid	300.0	126606
890-9229-5	CS - 24	Soluble	Solid	300.0	126606
890-9229-6	CS - 25	Soluble	Solid	300.0	126606
890-9229-7	CS - 26	Soluble	Solid	300.0	126606
890-9229-8	CS - 27	Soluble	Solid	300.0	126606
890-9229-9	CS - 28	Soluble	Solid	300.0	126606
MB 880-126606/1-A	Method Blank	Soluble	Solid	300.0	126606
LCS 880-126606/2-A	Lab Control Sample	Soluble	Solid	300.0	126606
LCSD 880-126606/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126606
890-9229-3 MS	CS - 22	Soluble	Solid	300.0	126606
890-9229-3 MSD	CS - 22	Soluble	Solid	300.0	126606

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 20
Date Collected: 12/12/25 09:45
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 12:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/15/25 01:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 01:21	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 10:16	CS	EET MID

Client Sample ID: CS - 21
Date Collected: 12/12/25 09:50
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 13:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/15/25 01:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 01:35	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 10:21	CS	EET MID

Client Sample ID: CS - 22
Date Collected: 12/12/25 09:55
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 13:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/15/25 01:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 01:48	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 10:26	CS	EET MID

Client Sample ID: CS - 23
Date Collected: 12/12/25 10:05
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 13:47	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 23
Date Collected: 12/12/25 10:05
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126671	12/15/25 02:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 02:03	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 10:41	CS	EET MID

Client Sample ID: CS - 24
Date Collected: 12/12/25 10:10
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 14:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 21:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 21:21	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 10:46	CS	EET MID

Client Sample ID: CS - 25
Date Collected: 12/12/25 10:15
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 14:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 22:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 22:05	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 11:01	CS	EET MID

Client Sample ID: CS - 26
Date Collected: 12/12/25 10:20
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 14:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 22:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 22:19	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 26
Date Collected: 12/12/25 10:20
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 11:06	CS	EET MID

Client Sample ID: CS - 27
Date Collected: 12/12/25 08:00
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 15:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 22:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 22:34	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 11:11	CS	EET MID

Client Sample ID: CS - 28
Date Collected: 12/12/25 08:05
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 15:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 22:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 22:49	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 11:16	CS	EET MID

Client Sample ID: CS - 29
Date Collected: 12/12/25 08:10
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 15:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 15:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 23:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 23:03	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 10:17	SMC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 30
Date Collected: 12/12/25 09:25
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 17:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 23:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 23:18	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 10:33	SMC	EET MID

Client Sample ID: CS - 31
Date Collected: 12/12/25 09:30
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 17:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 23:32	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 23:32	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 10:38	SMC	EET MID

Client Sample ID: CS - 32
Date Collected: 12/12/25 09:35
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 18:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/14/25 23:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/14/25 23:46	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 10:43	SMC	EET MID

Client Sample ID: CS - 33
Date Collected: 12/12/25 09:40
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 18:24	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 33
Date Collected: 12/12/25 09:40
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126671	12/15/25 00:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 00:01	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 10:49	SMC	EET MID

Client Sample ID: CS - 34
Date Collected: 12/12/25 10:35
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 18:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/15/25 00:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 00:30	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 11:05	SMC	EET MID

Client Sample ID: CS - 35
Date Collected: 12/12/25 10:40
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 19:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/15/25 00:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 00:43	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 11:10	SMC	EET MID

Client Sample ID: CS - 36
Date Collected: 12/12/25 10:45
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 19:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 19:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/15/25 00:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 00:58	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Client Sample ID: CS - 36

Date Collected: 12/12/25 10:45
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 11:15	SMC	EET MID

Client Sample ID: CS - 37

Date Collected: 12/12/25 10:50
Date Received: 12/12/25 14:25

Lab Sample ID: 890-9229-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126608	12/13/25 08:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126590	12/14/25 19:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126702	12/14/25 19:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			126671	12/15/25 01:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126582	12/12/25 16:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126600	12/15/25 01:12	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126607	12/15/25 06:19	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126636	12/15/25 11:21	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9229-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9229-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9229-1	CS - 20	Solid	12/12/25 09:45	12/12/25 14:25	4
890-9229-2	CS - 21	Solid	12/12/25 09:50	12/12/25 14:25	4
890-9229-3	CS - 22	Solid	12/12/25 09:55	12/12/25 14:25	4
890-9229-4	CS - 23	Solid	12/12/25 10:05	12/12/25 14:25	4
890-9229-5	CS - 24	Solid	12/12/25 10:10	12/12/25 14:25	6
890-9229-6	CS - 25	Solid	12/12/25 10:15	12/12/25 14:25	6
890-9229-7	CS - 26	Solid	12/12/25 10:20	12/12/25 14:25	6
890-9229-8	CS - 27	Solid	12/12/25 08:00	12/12/25 14:25	25
890-9229-9	CS - 28	Solid	12/12/25 08:05	12/12/25 14:25	25
890-9229-10	CS - 29	Solid	12/12/25 08:10	12/12/25 14:25	25
890-9229-11	CS - 30	Solid	12/12/25 09:25	12/12/25 14:25	18
890-9229-12	CS - 31	Solid	12/12/25 09:30	12/12/25 14:25	18
890-9229-13	CS - 32	Solid	12/12/25 09:35	12/12/25 14:25	16
890-9229-14	CS - 33	Solid	12/12/25 09:40	12/12/25 14:25	16
890-9229-15	CS - 34	Solid	12/12/25 10:35	12/12/25 14:25	6
890-9229-16	CS - 35	Solid	12/12/25 10:40	12/12/25 14:25	6
890-9229-17	CS - 36	Solid	12/12/25 10:45	12/12/25 14:25	6
890-9229-18	CS - 37	Solid	12/12/25 10:50	12/12/25 14:25	6

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.4	
Total Containers:		Corrected Temperature:	-1.2	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

890-9229 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	Pres. Code	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-20	S	12.12.25	9:45	4	Comp		1	X	X	X		X	Incident Number
CS-21	S	12.12.25	9:50	4	Comp		1	X	X	X		X	nAPP2528933921
CS-22	S	12.12.25	9:55	4	Comp		1	X	X	X		X	
CS-23	S	12.12.25	10:05	4	Comp		1	X	X	X		X	
CS-24	S	12.12.25	10:10	6	Comp		1	X	X	X		X	
CS-25	S	12.12.25	10:15	6	Comp		1	X	X	X		X	
CS-26	S	12.12.25	10:20	6	Comp		1	X	X	X		X	
CS-27	S	12.12.25	8:00	25	Comp		1	X	X	X		X	
CS-28	S	12.12.25	8:05	25	Comp		1	X	X	X		X	

Parameters

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		12-12 1425			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

www.xenco.com Page 2 of 2

Work Order No: _____

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNMAN
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.4
Total Containers:		Corrected Temperature:	-1.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-29	S	12.12.25	8:10	25	Comp	1		X	X	X		X	Incident Number
CS-30	S	12.12.25	9:25	18	Comp	1		X	X	X		X	nAPP2528933921
CS-31	S	12.12.25	9:30	18	Comp	1		X	X	X		X	
CS-32	S	12.12.25	9:35	~~12~~ 16	Comp	1		X	X	X		X	
CS-33	S	12.12.25	9:40	~~12~~ 16	Comp	1		X	X	X		X	
CS-34	S	12.12.25	10:35	6	Comp	1		X	X	X		X	
CS-35	S	12.12.25	10:40	6	Comp	1		X	X	X		X	
CS-36	S	12.12.25	10:45	6	Comp	1		X	X	X		X	
CS-37	S	12.12.25	10:50	6	Comp	1		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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		12-12 1425	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9229-1
SDG Number: Lea County, NM

Login Number: 9229
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9229-1
SDG Number: Lea County, NM

Login Number: 9229
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 12/14/25 06:31 PM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 12/18/2025 9:38:11 PM

JOB DESCRIPTION

East Loop 20 HP
Lea County, NM

JOB NUMBER

890-9241-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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my EOL

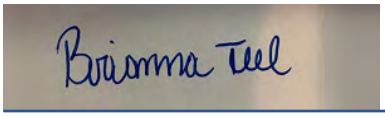
Eurofins Carlsbad

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Laboratory Job ID: 890-9241-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Earth Systems Response and Restoration Job ID: 890-9241-1
Project: East Loop 20 HP

Job ID: 890-9241-1 Eurofins Carlsbad

Job Narrative
890-9241-1

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 12/17/2025 4:16 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 -4.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-38 (890-9241-1), CS-39 (890-9241-2), CS-40 (890-9241-3), CS-41 (890-9241-4), CS-42 (890-9241-5), CS-43 (890-9241-6), CS-44 (890-9241-7) and CS-45 (890-9241-8).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-45 (890-9241-8), (CCV 880-127051/2), (CCV 880-127051/20), (LCS 880-127065/1-A), (LCSD 880-127065/2-A), (890-9241-A-8-C MS) and (890-9241-A-8-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-127065 and analytical batch 880-127051 was outside the upper control limits.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-127065 and analytical batch 880-127051 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-127040 and analytical batch 880-127081 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-38

Lab Sample ID: 890-9241-1
Matrix: Solid
Date Collected: 12/17/25 12:00
Date Received: 12/17/25 16:16
Sample Depth: 12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00106	U	0.00106		mg/Kg		12/18/25 10:07	12/18/25 13:18	1
Toluene	<0.00106	U	0.00106		mg/Kg		12/18/25 10:07	12/18/25 13:18	1
Ethylbenzene	<0.00106	U	0.00106		mg/Kg		12/18/25 10:07	12/18/25 13:18	1
m-Xylene & p-Xylene	<0.00213	U	0.00213		mg/Kg		12/18/25 10:07	12/18/25 13:18	1
o-Xylene	<0.00106	U	0.00106		mg/Kg		12/18/25 10:07	12/18/25 13:18	1
Xylenes, Total	<0.00213	U	0.00213		mg/Kg		12/18/25 10:07	12/18/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/18/25 10:07*	*12/18/25 13:18*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/18/25 10:07*	*12/18/25 13:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00213	U	0.00213		mg/Kg			12/18/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 16:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/18/25 07:31*	*12/18/25 16:32*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/18/25 07:31*	*12/18/25 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**173**		10.0		mg/Kg			12/18/25 11:20	1

Client Sample ID: CS-39

Lab Sample ID: 890-9241-2
Matrix: Solid
Date Collected: 12/17/25 12:05
Date Received: 12/17/25 16:16
Sample Depth: 12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00112	U	0.00112		mg/Kg		12/18/25 10:07	12/18/25 13:38	1
Toluene	<0.00112	U	0.00112		mg/Kg		12/18/25 10:07	12/18/25 13:38	1
Ethylbenzene	<0.00112	U	0.00112		mg/Kg		12/18/25 10:07	12/18/25 13:38	1
m-Xylene & p-Xylene	<0.00225	U	0.00225		mg/Kg		12/18/25 10:07	12/18/25 13:38	1
o-Xylene	<0.00112	U	0.00112		mg/Kg		12/18/25 10:07	12/18/25 13:38	1
Xylenes, Total	<0.00225	U	0.00225		mg/Kg		12/18/25 10:07	12/18/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/18/25 10:07*	*12/18/25 13:38*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-39

Lab Sample ID: 890-9241-2
Matrix: Solid
Date Collected: 12/17/25 12:05
Date Received: 12/17/25 16:16
Sample Depth: 12

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/18/25 10:07*	*12/18/25 13:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00225	U	0.00225		mg/Kg			12/18/25 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/18/25 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/18/25 07:31	12/18/25 16:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/18/25 07:31	12/18/25 16:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/18/25 07:31	12/18/25 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*12/18/25 07:31*	*12/18/25 16:46*	*1*
o-Terphenyl	*105*		*70 - 130*	*12/18/25 07:31*	*12/18/25 16:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.5**		10.1		mg/Kg			12/18/25 11:25	1

Client Sample ID: CS-40

Lab Sample ID: 890-9241-3
Matrix: Solid
Date Collected: 12/17/25 12:10
Date Received: 12/17/25 16:16
Sample Depth: 12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000851	U	0.000851		mg/Kg		12/18/25 10:07	12/18/25 13:59	1
Toluene	<0.000851	U	0.000851		mg/Kg		12/18/25 10:07	12/18/25 13:59	1
Ethylbenzene	<0.000851	U	0.000851		mg/Kg		12/18/25 10:07	12/18/25 13:59	1
m-Xylene & p-Xylene	<0.00170	U	0.00170		mg/Kg		12/18/25 10:07	12/18/25 13:59	1
o-Xylene	<0.000851	U	0.000851		mg/Kg		12/18/25 10:07	12/18/25 13:59	1
Xylenes, Total	<0.00170	U	0.00170		mg/Kg		12/18/25 10:07	12/18/25 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/18/25 10:07*	*12/18/25 13:59*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/18/25 10:07*	*12/18/25 13:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00170	U	0.00170		mg/Kg			12/18/25 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 17:00	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-40

Lab Sample ID: 890-9241-3
Matrix: Solid
Date Collected: 12/17/25 12:10
Date Received: 12/17/25 16:16
Sample Depth: 12

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	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*12/18/25 07:31*	*12/18/25 17:00*	*1*
o-Terphenyl	*111*		*70 - 130*	*12/18/25 07:31*	*12/18/25 17:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.2**		10.0		mg/Kg			12/18/25 11:40	1

Client Sample ID: CS-41

Lab Sample ID: 890-9241-4
Matrix: Solid
Date Collected: 12/17/25 12:15
Date Received: 12/17/25 16:16
Sample Depth: 12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00133	U	0.00133		mg/Kg		12/18/25 10:07	12/18/25 14:19	1
Toluene	<0.00133	U	0.00133		mg/Kg		12/18/25 10:07	12/18/25 14:19	1
Ethylbenzene	<0.00133	U	0.00133		mg/Kg		12/18/25 10:07	12/18/25 14:19	1
m-Xylene & p-Xylene	<0.00265	U	0.00265		mg/Kg		12/18/25 10:07	12/18/25 14:19	1
o-Xylene	<0.00133	U	0.00133		mg/Kg		12/18/25 10:07	12/18/25 14:19	1
Xylenes, Total	<0.00265	U	0.00265		mg/Kg		12/18/25 10:07	12/18/25 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*12/18/25 10:07*	*12/18/25 14:19*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/18/25 10:07*	*12/18/25 14:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00265	U	0.00265		mg/Kg			12/18/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/18/25 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	<50.1	U	50.1		mg/Kg		12/18/25 07:31	12/18/25 17:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/18/25 07:31	12/18/25 17:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/18/25 07:31	12/18/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/18/25 07:31*	*12/18/25 17:15*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/18/25 07:31*	*12/18/25 17:15*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-41

Lab Sample ID: 890-9241-4
Matrix: Solid
Date Collected: 12/17/25 12:15
Date Received: 12/17/25 16:16
Sample Depth: 12

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.9		10.0		mg/Kg			12/18/25 11:45	1

Client Sample ID: CS-42

Lab Sample ID: 890-9241-5
Matrix: Solid
Date Collected: 12/17/25 12:20
Date Received: 12/17/25 16:16
Sample Depth: 12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00128	U	0.00128		mg/Kg		12/18/25 10:07	12/18/25 14:39	1
Toluene	<0.00128	U	0.00128		mg/Kg		12/18/25 10:07	12/18/25 14:39	1
Ethylbenzene	<0.00128	U	0.00128		mg/Kg		12/18/25 10:07	12/18/25 14:39	1
m-Xylene & p-Xylene	<0.00255	U	0.00255		mg/Kg		12/18/25 10:07	12/18/25 14:39	1
o-Xylene	<0.00128	U	0.00128		mg/Kg		12/18/25 10:07	12/18/25 14:39	1
Xylenes, Total	<0.00255	U	0.00255		mg/Kg		12/18/25 10:07	12/18/25 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/18/25 10:07*	*12/18/25 14:39*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/18/25 10:07*	*12/18/25 14:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00255	U	0.00255		mg/Kg			12/18/25 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 12:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/18/25 07:37*	*12/18/25 12:04*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/18/25 07:37*	*12/18/25 12:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.3		9.90		mg/Kg			12/18/25 11:50	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-43

Lab Sample ID: 890-9241-6
Matrix: Solid
Date Collected: 12/17/25 12:25
Date Received: 12/17/25 16:16
Sample Depth: 12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00107	U	0.00107		mg/Kg		12/18/25 10:07	12/18/25 16:02	1
Toluene	<0.00107	U	0.00107		mg/Kg		12/18/25 10:07	12/18/25 16:02	1
Ethylbenzene	<0.00107	U	0.00107		mg/Kg		12/18/25 10:07	12/18/25 16:02	1
m-Xylene & p-Xylene	<0.00214	U	0.00214		mg/Kg		12/18/25 10:07	12/18/25 16:02	1
o-Xylene	<0.00107	U	0.00107		mg/Kg		12/18/25 10:07	12/18/25 16:02	1
Xylenes, Total	<0.00214	U	0.00214		mg/Kg		12/18/25 10:07	12/18/25 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/18/25 10:07*	*12/18/25 16:02*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/18/25 10:07*	*12/18/25 16:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00214	U	0.00214		mg/Kg			12/18/25 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/18/25 07:37*	*12/18/25 12:46*	*1*
o-Terphenyl	*93*		*70 - 130*	*12/18/25 07:37*	*12/18/25 12:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.8**		10.1		mg/Kg			12/18/25 11:55	1

Client Sample ID: CS-44

Lab Sample ID: 890-9241-7
Matrix: Solid
Date Collected: 12/17/25 12:30
Date Received: 12/17/25 16:16
Sample Depth: 14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00102	U	0.00102		mg/Kg		12/18/25 10:07	12/18/25 16:22	1
Toluene	<0.00102	U	0.00102		mg/Kg		12/18/25 10:07	12/18/25 16:22	1
Ethylbenzene	<0.00102	U	0.00102		mg/Kg		12/18/25 10:07	12/18/25 16:22	1
m-Xylene & p-Xylene	<0.00204	U	0.00204		mg/Kg		12/18/25 10:07	12/18/25 16:22	1
o-Xylene	<0.00102	U	0.00102		mg/Kg		12/18/25 10:07	12/18/25 16:22	1
Xylenes, Total	<0.00204	U	0.00204		mg/Kg		12/18/25 10:07	12/18/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/18/25 10:07*	*12/18/25 16:22*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-44

Lab Sample ID: 890-9241-7
Matrix: Solid
Date Collected: 12/17/25 12:30
Date Received: 12/17/25 16:16
Sample Depth: 14

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/18/25 10:07*	*12/18/25 16:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00204	U	0.00204		mg/Kg			12/18/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 12:59	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	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/18/25 07:37*	*12/18/25 12:59*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/18/25 07:37*	*12/18/25 12:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.9**		10.1		mg/Kg			12/18/25 12:00	1

Client Sample ID: CS-45

Lab Sample ID: 890-9241-8
Matrix: Solid
Date Collected: 12/17/25 12:35
Date Received: 12/17/25 16:16
Sample Depth: 14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00109	U	0.00109		mg/Kg		12/18/25 10:14	12/18/25 11:44	1
Toluene	<0.00109	U	0.00109		mg/Kg		12/18/25 10:14	12/18/25 11:44	1
Ethylbenzene	<0.00109	U	0.00109		mg/Kg		12/18/25 10:14	12/18/25 11:44	1
m-Xylene & p-Xylene	<0.00219	U	0.00219		mg/Kg		12/18/25 10:14	12/18/25 11:44	1
o-Xylene	<0.00109	U *+	0.00109		mg/Kg		12/18/25 10:14	12/18/25 11:44	1
Xylenes, Total	<0.00219	U	0.00219		mg/Kg		12/18/25 10:14	12/18/25 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*344*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 11:44*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/18/25 10:14*	*12/18/25 11:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00219	U	0.00219		mg/Kg			12/18/25 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 13:14	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-45

Lab Sample ID: 890-9241-8
Matrix: Solid
Date Collected: 12/17/25 12:35
Date Received: 12/17/25 16:16
Sample Depth: 14

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	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 13:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 13:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/18/25 07:37*	*12/18/25 13:14*	*1*
o-Terphenyl	*94*		*70 - 130*	*12/18/25 07:37*	*12/18/25 13:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.3**		10.0		mg/Kg			12/18/25 12:05	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-9241-1	CS-38	102	100										
890-9241-2	CS-39	111	100										
890-9241-3	CS-40	107	101										
890-9241-4	CS-41	104	102										
890-9241-5	CS-42	109	100										
890-9241-6	CS-43	110	100										
890-9241-7	CS-44	103	102										
890-9241-8	CS-45	344 S1+	99										
890-9241-8 MS	CS-45	222 S1+	90										
890-9241-8 MSD	CS-45	207 S1+	75										
LCS 880-127064/1-A	Lab Control Sample	101	96										
LCS 880-127065/1-A	Lab Control Sample	232 S1+	81										
LCSD 880-127064/2-A	Lab Control Sample Dup	101	98										
LCSD 880-127065/2-A	Lab Control Sample Dup	253 S1+	77										
MB 880-127064/5-A	Method Blank	95	92										
MB 880-127065/5-A	Method Blank	292 S1+	76										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-9241-1	CS-38	101	109										
890-9241-2	CS-39	99	105										
890-9241-3	CS-40	98	111										
890-9241-4	CS-41	96	106										
890-9241-5	CS-42	94	96										
890-9241-5 MS	CS-42	106	93										
890-9241-5 MSD	CS-42	107	93										
890-9241-6	CS-43	91	93										
890-9241-7	CS-44	91	96										
890-9241-8	CS-45	90	94										
LCS 880-127039/2-A	Lab Control Sample	112	106										
LCS 880-127040/2-A	Lab Control Sample	106	94										
LCSD 880-127039/3-A	Lab Control Sample Dup	112	108										
LCSD 880-127040/3-A	Lab Control Sample Dup	109	97										
MB 880-127039/1-A	Method Blank	108	108										
MB 880-127040/1-A	Method Blank	107	102										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-127064/5-A
Matrix: Solid
Analysis Batch: 127052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 11:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 08:00	12/18/25 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 08:00	12/18/25 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*12/18/25 08:00*	*12/18/25 11:14*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/18/25 08:00*	*12/18/25 11:14*	*1*

Lab Sample ID: LCS 880-127064/1-A
Matrix: Solid
Analysis Batch: 127052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08849		mg/Kg		88	70 - 130
Toluene	0.100	0.08904		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09204		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1840		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09424		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-127064/2-A
Matrix: Solid
Analysis Batch: 127052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127064

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08878		mg/Kg		89	70 - 130	0	35
Toluene	0.100	0.08647		mg/Kg		86	70 - 130	3	35
Ethylbenzene	0.100	0.09045		mg/Kg		90	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1793		mg/Kg		90	70 - 130	3	35
o-Xylene	0.100	0.09197		mg/Kg		92	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-127065/5-A
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 10:14	12/18/25 11:23	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-127065/5-A
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 10:14	12/18/25 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*292*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 11:23*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*12/18/25 10:14*	*12/18/25 11:23*	*1*

Lab Sample ID: LCS 880-127065/1-A
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1002		mg/Kg		100	70 - 130
Toluene	0.100	0.1108		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1085		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2259		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1163		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*232*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: LCSD 880-127065/2-A
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127065

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1118		mg/Kg		112	70 - 130	11	35
Toluene	0.100	0.1247		mg/Kg		125	70 - 130	12	35
Ethylbenzene	0.100	0.1237		mg/Kg		124	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2565		mg/Kg		128	70 - 130	13	35
o-Xylene	0.100	0.1321	*+	mg/Kg		132	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*253*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*

Lab Sample ID: 890-9241-8 MS
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: CS-45
Prep Type: Total/NA
Prep Batch: 127065

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00109	U	0.100	0.1068		mg/Kg		107	70 - 130
Toluene	<0.00109	U	0.100	0.1124		mg/Kg		112	70 - 130
Ethylbenzene	<0.00109	U	0.100	0.1105		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	<0.00219	U	0.200	0.2322		mg/Kg		116	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9241-8 MS
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: CS-45
Prep Type: Total/NA
Prep Batch: 127065

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00109	U *+	0.100	0.1170		mg/Kg		117	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*222*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-9241-8 MSD
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: CS-45
Prep Type: Total/NA
Prep Batch: 127065

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00109	U	0.100	0.1073		mg/Kg		107	70 - 130	0	35
Toluene	<0.00109	U	0.100	0.1100		mg/Kg		110	70 - 130	2	35
Ethylbenzene	<0.00109	U	0.100	0.1080		mg/Kg		108	70 - 130	2	35
m-Xylene & p-Xylene	<0.00219	U	0.200	0.2260		mg/Kg		113	70 - 130	3	35
o-Xylene	<0.00109	U *+	0.100	0.1133		mg/Kg		113	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*207*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*

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

Lab Sample ID: MB 880-127039/1-A
Matrix: Solid
Analysis Batch: 127079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 10:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 10:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:31	12/18/25 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/18/25 07:31*	*12/18/25 10:35*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/18/25 07:31*	*12/18/25 10:35*	*1*

Lab Sample ID: LCS 880-127039/2-A
Matrix: Solid
Analysis Batch: 127079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	916.7		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	967.9		mg/Kg		97	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-127039/2-A
Matrix: Solid
Analysis Batch: 127079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127039

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-127039/3-A
Matrix: Solid
Analysis Batch: 127079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127039

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	892.7		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	973.5		mg/Kg		97	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: MB 880-127040/1-A
Matrix: Solid
Analysis Batch: 127081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127040

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 10:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 10:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 10:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/18/25 07:37	12/18/25 10:35	1
o-Terphenyl	102		70 - 130	12/18/25 07:37	12/18/25 10:35	1

Lab Sample ID: LCS 880-127040/2-A
Matrix: Solid
Analysis Batch: 127081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127040

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	851.9		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	997.8		mg/Kg		100	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	94		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-127040/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 127081 — **Prep Batch: 127040**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	855.5		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1048		mg/Kg		105	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: 890-9241-5 MS — **Client Sample ID: CS-42**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 127081 — **Prep Batch: 127040**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	629.7	F1	mg/Kg		63	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	718.3		mg/Kg		72	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: 890-9241-5 MSD — **Client Sample ID: CS-42**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 127081 — **Prep Batch: 127040**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	642.1	F1	mg/Kg		64	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	742.1		mg/Kg		74	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-127047/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 127055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/18/25 09:42	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-127047/2-A
Matrix: Solid
Analysis Batch: 127055

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.8		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-127047/3-A
Matrix: Solid
Analysis Batch: 127055

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	229.3		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 127051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-8	CS-45	Total/NA	Solid	8021B	127065
MB 880-127065/5-A	Method Blank	Total/NA	Solid	8021B	127065
LCS 880-127065/1-A	Lab Control Sample	Total/NA	Solid	8021B	127065
LCSD 880-127065/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127065
890-9241-8 MS	CS-45	Total/NA	Solid	8021B	127065
890-9241-8 MSD	CS-45	Total/NA	Solid	8021B	127065

Analysis Batch: 127052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-1	CS-38	Total/NA	Solid	8021B	127064
890-9241-2	CS-39	Total/NA	Solid	8021B	127064
890-9241-3	CS-40	Total/NA	Solid	8021B	127064
890-9241-4	CS-41	Total/NA	Solid	8021B	127064
890-9241-5	CS-42	Total/NA	Solid	8021B	127064
890-9241-6	CS-43	Total/NA	Solid	8021B	127064
890-9241-7	CS-44	Total/NA	Solid	8021B	127064
MB 880-127064/5-A	Method Blank	Total/NA	Solid	8021B	127064
LCS 880-127064/1-A	Lab Control Sample	Total/NA	Solid	8021B	127064
LCSD 880-127064/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127064

Prep Batch: 127064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-1	CS-38	Total/NA	Solid	5035	
890-9241-2	CS-39	Total/NA	Solid	5035	
890-9241-3	CS-40	Total/NA	Solid	5035	
890-9241-4	CS-41	Total/NA	Solid	5035	
890-9241-5	CS-42	Total/NA	Solid	5035	
890-9241-6	CS-43	Total/NA	Solid	5035	
890-9241-7	CS-44	Total/NA	Solid	5035	
MB 880-127064/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127064/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127064/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 127065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-8	CS-45	Total/NA	Solid	5035	
MB 880-127065/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127065/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127065/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9241-8 MS	CS-45	Total/NA	Solid	5035	
890-9241-8 MSD	CS-45	Total/NA	Solid	5035	

Analysis Batch: 127166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-1	CS-38	Total/NA	Solid	Total BTEX	
890-9241-2	CS-39	Total/NA	Solid	Total BTEX	
890-9241-3	CS-40	Total/NA	Solid	Total BTEX	
890-9241-4	CS-41	Total/NA	Solid	Total BTEX	
890-9241-5	CS-42	Total/NA	Solid	Total BTEX	
890-9241-6	CS-43	Total/NA	Solid	Total BTEX	
890-9241-7	CS-44	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 127166 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-8	CS-45	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 127039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-1	CS-38	Total/NA	Solid	8015NM Prep	
890-9241-2	CS-39	Total/NA	Solid	8015NM Prep	
890-9241-3	CS-40	Total/NA	Solid	8015NM Prep	
890-9241-4	CS-41	Total/NA	Solid	8015NM Prep	
MB 880-127039/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127039/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-127039/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 127040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-5	CS-42	Total/NA	Solid	8015NM Prep	
890-9241-6	CS-43	Total/NA	Solid	8015NM Prep	
890-9241-7	CS-44	Total/NA	Solid	8015NM Prep	
890-9241-8	CS-45	Total/NA	Solid	8015NM Prep	
MB 880-127040/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127040/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-127040/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9241-5 MS	CS-42	Total/NA	Solid	8015NM Prep	
890-9241-5 MSD	CS-42	Total/NA	Solid	8015NM Prep	

Analysis Batch: 127079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-1	CS-38	Total/NA	Solid	8015B NM	127039
890-9241-2	CS-39	Total/NA	Solid	8015B NM	127039
890-9241-3	CS-40	Total/NA	Solid	8015B NM	127039
890-9241-4	CS-41	Total/NA	Solid	8015B NM	127039
MB 880-127039/1-A	Method Blank	Total/NA	Solid	8015B NM	127039
LCS 880-127039/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127039
LCSD 880-127039/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127039

Analysis Batch: 127081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-5	CS-42	Total/NA	Solid	8015B NM	127040
890-9241-6	CS-43	Total/NA	Solid	8015B NM	127040
890-9241-7	CS-44	Total/NA	Solid	8015B NM	127040
890-9241-8	CS-45	Total/NA	Solid	8015B NM	127040
MB 880-127040/1-A	Method Blank	Total/NA	Solid	8015B NM	127040
LCS 880-127040/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127040
LCSD 880-127040/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127040
890-9241-5 MS	CS-42	Total/NA	Solid	8015B NM	127040
890-9241-5 MSD	CS-42	Total/NA	Solid	8015B NM	127040

Analysis Batch: 127172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-1	CS-38	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 127172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-2	CS-39	Total/NA	Solid	8015 NM	
890-9241-3	CS-40	Total/NA	Solid	8015 NM	
890-9241-4	CS-41	Total/NA	Solid	8015 NM	
890-9241-5	CS-42	Total/NA	Solid	8015 NM	
890-9241-6	CS-43	Total/NA	Solid	8015 NM	
890-9241-7	CS-44	Total/NA	Solid	8015 NM	
890-9241-8	CS-45	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 127047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-1	CS-38	Soluble	Solid	DI Leach	
890-9241-2	CS-39	Soluble	Solid	DI Leach	
890-9241-3	CS-40	Soluble	Solid	DI Leach	
890-9241-4	CS-41	Soluble	Solid	DI Leach	
890-9241-5	CS-42	Soluble	Solid	DI Leach	
890-9241-6	CS-43	Soluble	Solid	DI Leach	
890-9241-7	CS-44	Soluble	Solid	DI Leach	
890-9241-8	CS-45	Soluble	Solid	DI Leach	
MB 880-127047/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127047/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127047/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 127055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9241-1	CS-38	Soluble	Solid	300.0	127047
890-9241-2	CS-39	Soluble	Solid	300.0	127047
890-9241-3	CS-40	Soluble	Solid	300.0	127047
890-9241-4	CS-41	Soluble	Solid	300.0	127047
890-9241-5	CS-42	Soluble	Solid	300.0	127047
890-9241-6	CS-43	Soluble	Solid	300.0	127047
890-9241-7	CS-44	Soluble	Solid	300.0	127047
890-9241-8	CS-45	Soluble	Solid	300.0	127047
MB 880-127047/1-A	Method Blank	Soluble	Solid	300.0	127047
LCS 880-127047/2-A	Lab Control Sample	Soluble	Solid	300.0	127047
LCSD 880-127047/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	127047

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-38
Date Collected: 12/17/25 12:00
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9241-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.39 g	5 mL	127064	12/18/25 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127052	12/18/25 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127166	12/18/25 13:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			127172	12/18/25 16:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127039	12/18/25 07:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127079	12/18/25 16:32	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	127047	12/18/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			127055	12/18/25 11:20	CS	EET MID

Client Sample ID: CS-39
Date Collected: 12/17/25 12:05
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9241-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.9 g	5 mL	127064	12/18/25 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127052	12/18/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127166	12/18/25 13:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			127172	12/18/25 16:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	127039	12/18/25 07:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127079	12/18/25 16:46	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	127047	12/18/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			127055	12/18/25 11:25	CS	EET MID

Client Sample ID: CS-40
Date Collected: 12/17/25 12:10
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9241-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.75 g	5 mL	127064	12/18/25 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127052	12/18/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127166	12/18/25 13:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			127172	12/18/25 17:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127039	12/18/25 07:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127079	12/18/25 17:00	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	127047	12/18/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	127055	12/18/25 11:40	CS	EET MID

Client Sample ID: CS-41
Date Collected: 12/17/25 12:15
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9241-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.54 g	5 mL	127064	12/18/25 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127052	12/18/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127166	12/18/25 14:19	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Client Sample ID: CS-41

Date Collected: 12/17/25 12:15
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9241-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			127172	12/18/25 17:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	127039	12/18/25 07:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127079	12/18/25 17:15	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	127047	12/18/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			127055	12/18/25 11:45	CS	EET MID

Client Sample ID: CS-42

Date Collected: 12/17/25 12:20
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9241-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.84 g	5 mL	127064	12/18/25 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127052	12/18/25 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127166	12/18/25 14:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			127172	12/18/25 12:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 12:04	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	127047	12/18/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			127055	12/18/25 11:50	CS	EET MID

Client Sample ID: CS-43

Date Collected: 12/17/25 12:25
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9241-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.36 g	5 mL	127064	12/18/25 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127052	12/18/25 16:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127166	12/18/25 16:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			127172	12/18/25 12:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 12:46	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	127047	12/18/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			127055	12/18/25 11:55	CS	EET MID

Client Sample ID: CS-44

Date Collected: 12/17/25 12:30
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9241-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.79 g	5 mL	127064	12/18/25 10:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127052	12/18/25 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127166	12/18/25 16:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			127172	12/18/25 12:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 12:59	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9241-1
Project/Site: East Loop 20 HP
SDG: Lea County, NM

Client Sample ID: CS-44
Lab Sample ID: 890-9241-7
Date Collected: 12/17/25 12:30
Matrix: Solid
Date Received: 12/17/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	127047	12/18/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			127055	12/18/25 12:00	CS	EET MID

Client Sample ID: CS-45
Lab Sample ID: 890-9241-8
Date Collected: 12/17/25 12:35
Matrix: Solid
Date Received: 12/17/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.15 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127166	12/18/25 11:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			127172	12/18/25 13:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 13:14	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	127047	12/18/25 08:05	SI	EET MID
Soluble	Analysis	300.0		1			127055	12/18/25 12:05	CS	EET MID

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9241-1
Project/Site: East Loop 20 HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9241-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9241-1	CS-38	Solid	12/17/25 12:00	12/17/25 16:16	12
890-9241-2	CS-39	Solid	12/17/25 12:05	12/17/25 16:16	12
890-9241-3	CS-40	Solid	12/17/25 12:10	12/17/25 16:16	12
890-9241-4	CS-41	Solid	12/17/25 12:15	12/17/25 16:16	12
890-9241-5	CS-42	Solid	12/17/25 12:20	12/17/25 16:16	12
890-9241-6	CS-43	Solid	12/17/25 12:25	12/17/25 16:16	12
890-9241-7	CS-44	Solid	12/17/25 12:30	12/17/25 16:16	14
890-9241-8	CS-45	Solid	12/17/25 12:35	12/17/25 16:16	14

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/7/2026 12:00:22 AM

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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

890-9241 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	INMOC3
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.2
Total Containers:		Corrected Temperature:	-4.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-38	S	12.17.25	12:00	12	Comp	1		X	X	X		X	Incident Number
CS-39	S	12.17.25	12:05	12	Comp	1		X	X	X		X	nAPP2528933921
CS-40	S	12.17.25	12:10	12	Comp	1		X	X	X		X	
CS-41	S	12.17.25	12:15	12	Comp	1		X	X	X		X	
CS-42	S	12.17.25	12:20	12	Comp	1		X	X	X		X	
CS-43	S	12.17.25	12:25	12	Comp	1		X	X	X		X	
CS-44	S	12.17.25	12:30	14	Comp	1		X	X	X		X	
CS-45	S	12.17.25	12:35	14	Comp	1		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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			12/17 16:16	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9241-1
SDG Number: Lea County, NM

Login Number: 9241
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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.	N/A	
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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9241-1
SDG Number: Lea County, NM

Login Number: 9241
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/18/25 08:28 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 12/9/2025 3:03:28 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9195-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 3/3/2026 2:23:29 PM

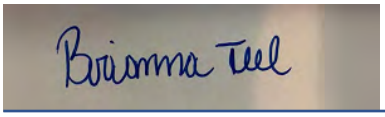
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
12/9/2025 3:03:28 PM

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9195-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: Earth Systems Response and Restoration Job ID: 890-9195-1
Project: East Loop 20" HP

Job ID: 890-9195-1 Eurofins Carlsbad

Job Narrative
890-9195-1

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 12/8/2025 3:19 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 -13.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 1 (890-9195-1), SW - 2 (890-9195-2) and SW - 3 (890-9195-3).

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

Diesel Range Organics
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.

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

Client Sample ID: SW - 1

Lab Sample ID: 890-9195-1
Matrix: Solid
Date Collected: 12/08/25 09:00
Date Received: 12/08/25 15:19
Sample Depth: 0-2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 10:08	12/09/25 12:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 10:08	12/09/25 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 10:08*	*12/09/25 12:22*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/09/25 10:08*	*12/09/25 12:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/09/25 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 06:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 06:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 06:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*12/08/25 17:26*	*12/09/25 06:13*	*1*
o-Terphenyl	*83*		*70 - 130*	*12/08/25 17:26*	*12/09/25 06:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.8**		10.0		mg/Kg			12/09/25 13:23	1

Client Sample ID: SW - 2

Lab Sample ID: 890-9195-2
Matrix: Solid
Date Collected: 12/08/25 09:05
Date Received: 12/08/25 15:19
Sample Depth: 0-2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/09/25 10:08	12/09/25 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/09/25 10:08	12/09/25 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/09/25 10:08*	*12/09/25 12:42*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

Client Sample ID: SW - 2

Lab Sample ID: 890-9195-2
Matrix: Solid
Date Collected: 12/08/25 09:05
Date Received: 12/08/25 15:19
Sample Depth: 0-2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/09/25 10:08*	*12/09/25 12:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/09/25 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 06:28	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	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 06:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 06:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/08/25 17:26	12/09/25 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*12/08/25 17:26*	*12/09/25 06:28*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/08/25 17:26*	*12/09/25 06:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.3**		10.1		mg/Kg			12/09/25 13:40	1

Client Sample ID: SW - 3

Lab Sample ID: 890-9195-3
Matrix: Solid
Date Collected: 12/08/25 09:10
Date Received: 12/08/25 15:19
Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:08	12/09/25 13:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:08	12/09/25 13:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:08	12/09/25 13:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/09/25 10:08	12/09/25 13:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/09/25 10:08	12/09/25 13:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/09/25 10:08	12/09/25 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/09/25 10:08*	*12/09/25 13:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/09/25 10:08*	*12/09/25 13:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/09/25 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 06:43	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

Client Sample ID: SW - 3
Date Collected: 12/08/25 09:10
Date Received: 12/08/25 15:19
Sample Depth: 0-4

Lab Sample ID: 890-9195-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 06:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 06:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*12/08/25 17:26*	*12/09/25 06:43*	*1*
o-Terphenyl	*86*		*70 - 130*	*12/08/25 17:26*	*12/09/25 06:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.9**		9.94		mg/Kg			12/09/25 13:45	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9195-1	SW - 1	100	91
890-9195-1 MS	SW - 1	101	96
890-9195-1 MSD	SW - 1	99	89
890-9195-2	SW - 2	110	91
890-9195-3	SW - 3	103	91
LCS 880-126058/1-A	Lab Control Sample	91	102
LCSD 880-126058/2-A	Lab Control Sample Dup	100	98
MB 880-126058/5-A	Method Blank	100	83

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9195-1	SW - 1	79	83
890-9195-2	SW - 2	79	82
890-9195-3	SW - 3	81	86
LCS 880-126016/2-A	Lab Control Sample	84	79
LCSD 880-126016/3-A	Lab Control Sample Dup	70	80
MB 880-126016/1-A	Method Blank	75	79

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126058/5-A
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 10:08	12/09/25 12:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 10:08	12/09/25 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/09/25 10:08*	*12/09/25 12:00*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*12/09/25 10:08*	*12/09/25 12:00*	*1*

Lab Sample ID: LCS 880-126058/1-A
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126058

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09120		mg/Kg		91	70 - 130
Toluene	0.100	0.1032		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2142		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-126058/2-A
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126058

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1066		mg/Kg		107	70 - 130	16	35
Toluene	0.100	0.1074		mg/Kg		107	70 - 130	4	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2264		mg/Kg		113	70 - 130	6	35
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-9195-1 MS
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 126058

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09298		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.100	0.09612		mg/Kg		96	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9195-1 MS
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 126058

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1010		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1992		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.09480		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-9195-1 MSD
Matrix: Solid
Analysis Batch: 126036

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 126058

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08606		mg/Kg		86	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.09418		mg/Kg		94	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09704		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1886		mg/Kg		94	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.08906		mg/Kg		89	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

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

Lab Sample ID: MB 880-126016/1-A
Matrix: Solid
Analysis Batch: 125897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 01:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 01:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/08/25 17:26	12/09/25 01:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*12/08/25 17:26*	*12/09/25 01:13*	*1*
o-Terphenyl	*79*		*70 - 130*	*12/08/25 17:26*	*12/09/25 01:13*	*1*

Lab Sample ID: LCS 880-126016/2-A
Matrix: Solid
Analysis Batch: 125897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	751.5		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1000	769.7		mg/Kg		77	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-126016/2-A
Matrix: Solid
Analysis Batch: 125897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126016

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: LCSD 880-126016/3-A
Matrix: Solid
Analysis Batch: 125897

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126016

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	762.6		mg/Kg		76	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	831.4		mg/Kg		83	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	70		70 - 130
o-Terphenyl	80		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126029/1-A
Matrix: Solid
Analysis Batch: 126045

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/09/25 11:47	1

Lab Sample ID: LCS 880-126029/2-A
Matrix: Solid
Analysis Batch: 126045

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.9		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-126029/3-A
Matrix: Solid
Analysis Batch: 126045

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	257.5		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-9195-1 MS
Matrix: Solid
Analysis Batch: 126045

Client Sample ID: SW - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	13.8		250	275.2		mg/Kg		105	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9195-1 MSD
Matrix: Solid
Analysis Batch: 126045

Client Sample ID: SW - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.8		250	276.5		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 126036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9195-1	SW - 1	Total/NA	Solid	8021B	126058
890-9195-2	SW - 2	Total/NA	Solid	8021B	126058
890-9195-3	SW - 3	Total/NA	Solid	8021B	126058
MB 880-126058/5-A	Method Blank	Total/NA	Solid	8021B	126058
LCS 880-126058/1-A	Lab Control Sample	Total/NA	Solid	8021B	126058
LCSD 880-126058/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126058
890-9195-1 MS	SW - 1	Total/NA	Solid	8021B	126058
890-9195-1 MSD	SW - 1	Total/NA	Solid	8021B	126058

Prep Batch: 126058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9195-1	SW - 1	Total/NA	Solid	5035	
890-9195-2	SW - 2	Total/NA	Solid	5035	
890-9195-3	SW - 3	Total/NA	Solid	5035	
MB 880-126058/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126058/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126058/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9195-1 MS	SW - 1	Total/NA	Solid	5035	
890-9195-1 MSD	SW - 1	Total/NA	Solid	5035	

Analysis Batch: 126135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9195-1	SW - 1	Total/NA	Solid	Total BTEX	
890-9195-2	SW - 2	Total/NA	Solid	Total BTEX	
890-9195-3	SW - 3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 125897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9195-1	SW - 1	Total/NA	Solid	8015B NM	126016
890-9195-2	SW - 2	Total/NA	Solid	8015B NM	126016
890-9195-3	SW - 3	Total/NA	Solid	8015B NM	126016
MB 880-126016/1-A	Method Blank	Total/NA	Solid	8015B NM	126016
LCS 880-126016/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126016
LCSD 880-126016/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126016

Prep Batch: 126016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9195-1	SW - 1	Total/NA	Solid	8015NM Prep	
890-9195-2	SW - 2	Total/NA	Solid	8015NM Prep	
890-9195-3	SW - 3	Total/NA	Solid	8015NM Prep	
MB 880-126016/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126016/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126016/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9195-1	SW - 1	Total/NA	Solid	8015 NM	
890-9195-2	SW - 2	Total/NA	Solid	8015 NM	
890-9195-3	SW - 3	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 126029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9195-1	SW - 1	Soluble	Solid	DI Leach	
890-9195-2	SW - 2	Soluble	Solid	DI Leach	
890-9195-3	SW - 3	Soluble	Solid	DI Leach	
MB 880-126029/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126029/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126029/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9195-1 MS	SW - 1	Soluble	Solid	DI Leach	
890-9195-1 MSD	SW - 1	Soluble	Solid	DI Leach	

Analysis Batch: 126045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9195-1	SW - 1	Soluble	Solid	300.0	126029
890-9195-2	SW - 2	Soluble	Solid	300.0	126029
890-9195-3	SW - 3	Soluble	Solid	300.0	126029
MB 880-126029/1-A	Method Blank	Soluble	Solid	300.0	126029
LCS 880-126029/2-A	Lab Control Sample	Soluble	Solid	300.0	126029
LCSD 880-126029/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126029
890-9195-1 MS	SW - 1	Soluble	Solid	300.0	126029
890-9195-1 MSD	SW - 1	Soluble	Solid	300.0	126029

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9195-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Client Sample ID: SW - 1
Lab Sample ID: 890-9195-1
Date Collected: 12/08/25 09:00
Matrix: Solid
Date Received: 12/08/25 15:19

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	126058	12/09/25 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/09/25 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126135	12/09/25 12:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			126089	12/09/25 06:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 06:13	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 13:23	CS	EET MID

Client Sample ID: SW - 2
Lab Sample ID: 890-9195-2
Date Collected: 12/08/25 09:05
Matrix: Solid
Date Received: 12/08/25 15:19

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	126058	12/09/25 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/09/25 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126135	12/09/25 12:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			126089	12/09/25 06:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 06:28	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 13:40	CS	EET MID

Client Sample ID: SW - 3
Lab Sample ID: 890-9195-3
Date Collected: 12/08/25 09:10
Matrix: Solid
Date Received: 12/08/25 15:19

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	126058	12/09/25 10:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126036	12/09/25 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126135	12/09/25 13:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			126089	12/09/25 06:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126016	12/08/25 17:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125897	12/09/25 06:43	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126029	12/09/25 07:49	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126045	12/09/25 13:45	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9195-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9195-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9195-1	SW - 1	Solid	12/08/25 09:00	12/08/25 15:19	0-2
890-9195-2	SW - 2	Solid	12/08/25 09:05	12/08/25 15:19	0-2
890-9195-3	SW - 3	Solid	12/08/25 09:10	12/08/25 15:19	0-4

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/7/2026 12:00:22 AM

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	☐ Routine ☑ Rush
Project Number:	7576	Due Date:	24 Hr Rush
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron, Michael Benini		
CC/WO #:			

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No ~~N/A~~	Correction Factor:	-0.2
Sample Custody Seals:	Yes No ~~N/A~~	Temperature Reading:	-14.0
Total Containers:		Corrected Temperature:	-13.8

ANALYSIS REQUEST

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

890-9195 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
SW-1	S	12.8.25	9:00	0-2	Comp	1	X	X	X		X	Incident Number
SW-2	S	12.8.25	9:05	0-2	Comp	1	X	X	X		X	nAPP2528933921
SW-3	S	12.8.25	9:10	0-4	Comp	1	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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12.8 1519	2		
			4		
			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 20 of 22
12/9/2025
Page 362 of 502

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9195-1
SDG Number: Lea County, NM

Login Number: 9195
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9195-1
SDG Number: Lea County, NM

Login Number: 9195
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/08/25 08:32 PM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 12/11/2025 4:33:24 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County. NM

JOB NUMBER

890-9205-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 3/3/2026 2:23:29 PM

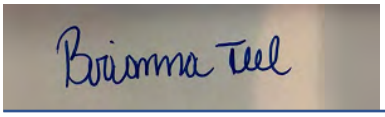
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
12/11/2025 4:33:24 PM

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9205-1
SDG: Lea County. NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Earth Systems Response and Restoration Job ID: 890-9205-1
Project: East Loop 20" HP

Job ID: 890-9205-1 Eurofins Carlsbad

Job Narrative
890-9205-1

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 12/10/2025 3:12 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 0.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 4 (890-9205-1) and SW - 5 (890-9205-2).

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 5 (890-9205-2). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126295 and analytical batch 880-126335 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

Client Sample ID: SW - 4

Date Collected: 12/10/25 09:00
Date Received: 12/10/25 15:12
Sample Depth: 0-2

Lab Sample ID: 890-9205-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 11:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/11/25 09:08	12/11/25 11:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 11:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/11/25 09:08	12/11/25 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/11/25 09:08*	*12/11/25 11:05*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/11/25 09:08*	*12/11/25 11:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/11/25 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/11/25 10:07	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	<49.9	U F1	49.9		mg/Kg		12/10/25 17:03	12/11/25 10:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		12/10/25 17:03	12/11/25 10:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/10/25 17:03	12/11/25 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/10/25 17:03*	*12/11/25 10:07*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/10/25 17:03*	*12/11/25 10:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.4**		9.92		mg/Kg			12/11/25 14:14	1

Client Sample ID: SW - 5

Date Collected: 12/10/25 09:05
Date Received: 12/10/25 15:12
Sample Depth: 0-2

Lab Sample ID: 890-9205-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:08	12/11/25 11:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:08	12/11/25 11:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:08	12/11/25 11:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/11/25 09:08	12/11/25 11:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/11/25 09:08	12/11/25 11:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/11/25 09:08	12/11/25 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/11/25 09:08*	*12/11/25 11:25*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

Client Sample ID: SW - 5
Date Collected: 12/10/25 09:05
Date Received: 12/10/25 15:12
Sample Depth: 0-2

Lab Sample ID: 890-9205-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/11/25 09:08*	*12/11/25 11:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/11/25 11:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/11/25 10:55	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	<50.1	U	50.1		mg/Kg		12/10/25 17:03	12/11/25 10:55	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/10/25 17:03	12/11/25 10:55	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/10/25 17:03	12/11/25 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*12/10/25 17:03*	*12/11/25 10:55*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*12/10/25 17:03*	*12/11/25 10:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		9.98		mg/Kg			12/11/25 14:19	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9205-1	SW - 4	110	90
890-9205-1 MS	SW - 4	102	103
890-9205-1 MSD	SW - 4	104	103
890-9205-2	SW - 5	103	99
LCS 880-126324/1-A	Lab Control Sample	106	106
LCSD 880-126324/2-A	Lab Control Sample Dup	103	102
MB 880-126324/5-A	Method Blank	114	99

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9205-1	SW - 4	107	120
890-9205-1 MS	SW - 4	99	114
890-9205-1 MSD	SW - 4	103	116
890-9205-2	SW - 5	120	134 S1+
LCS 880-126295/2-A	Lab Control Sample	101	121
LCSD 880-126295/3-A	Lab Control Sample Dup	101	120
MB 880-126295/1-A	Method Blank	113	124

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126324/5-A
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/11/25 09:08	12/11/25 10:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/11/25 09:08	12/11/25 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/11/25 09:08*	*12/11/25 10:12*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/11/25 09:08*	*12/11/25 10:12*	*1*

Lab Sample ID: LCS 880-126324/1-A
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09747		mg/Kg		97	70 - 130
Toluene	0.100	0.09132		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09542		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1782		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09188		mg/Kg		92	70 - 130

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

Lab Sample ID: LCSD 880-126324/2-A
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126324

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09499		mg/Kg		95	70 - 130	3	35
Toluene	0.100	0.09195		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.09530		mg/Kg		95	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1791		mg/Kg		90	70 - 130	0	35
o-Xylene	0.100	0.09185		mg/Kg		92	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-9205-1 MS
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: SW - 4
Prep Type: Total/NA
Prep Batch: 126324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1063		mg/Kg		106	70 - 130
Toluene	<0.00200	U	0.100	0.09944		mg/Kg		99	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

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

Lab Sample ID: 890-9205-1 MS
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: SW - 4
Prep Type: Total/NA
Prep Batch: 126324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1020		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1912		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09651		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-9205-1 MSD
Matrix: Solid
Analysis Batch: 126306

Client Sample ID: SW - 4
Prep Type: Total/NA
Prep Batch: 126324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1060		mg/Kg		106	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09785		mg/Kg		98	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1027		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1953		mg/Kg		98	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09577		mg/Kg		96	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

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

Lab Sample ID: MB 880-126295/1-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 05:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 05:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/10/25 17:03	12/11/25 05:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*12/10/25 17:03*	*12/11/25 05:06*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/10/25 17:03*	*12/11/25 05:06*	*1*

Lab Sample ID: LCS 880-126295/2-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	884.0		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	917.5		mg/Kg		92	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

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

Lab Sample ID: LCS 880-126295/2-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126295

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-126295/3-A
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126295

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	896.5		mg/Kg		90	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	897.4		mg/Kg		90	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 890-9205-1 MS
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: SW - 4
Prep Type: Total/NA
Prep Batch: 126295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	660.8	F1	mg/Kg		66	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	668.3	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 890-9205-1 MSD
Matrix: Solid
Analysis Batch: 126335

Client Sample ID: SW - 4
Prep Type: Total/NA
Prep Batch: 126295

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	677.7	F1	mg/Kg		68	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	715.0		mg/Kg		72	70 - 130	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	116		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126305/1-A
Matrix: Solid
Analysis Batch: 126310

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/11/25 09:59	1

Lab Sample ID: LCS 880-126305/2-A
Matrix: Solid
Analysis Batch: 126310

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	248.1		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-126305/3-A
Matrix: Solid
Analysis Batch: 126310

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	248.6		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

GC VOA

Analysis Batch: 126306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9205-1	SW - 4	Total/NA	Solid	8021B	126324
890-9205-2	SW - 5	Total/NA	Solid	8021B	126324
MB 880-126324/5-A	Method Blank	Total/NA	Solid	8021B	126324
LCS 880-126324/1-A	Lab Control Sample	Total/NA	Solid	8021B	126324
LCSD 880-126324/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126324
890-9205-1 MS	SW - 4	Total/NA	Solid	8021B	126324
890-9205-1 MSD	SW - 4	Total/NA	Solid	8021B	126324

Prep Batch: 126324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9205-1	SW - 4	Total/NA	Solid	5035	
890-9205-2	SW - 5	Total/NA	Solid	5035	
MB 880-126324/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126324/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126324/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9205-1 MS	SW - 4	Total/NA	Solid	5035	
890-9205-1 MSD	SW - 4	Total/NA	Solid	5035	

Analysis Batch: 126421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9205-1	SW - 4	Total/NA	Solid	Total BTEX	
890-9205-2	SW - 5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9205-1	SW - 4	Total/NA	Solid	8015NM Prep	
890-9205-2	SW - 5	Total/NA	Solid	8015NM Prep	
MB 880-126295/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126295/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126295/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9205-1 MS	SW - 4	Total/NA	Solid	8015NM Prep	
890-9205-1 MSD	SW - 4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9205-1	SW - 4	Total/NA	Solid	8015B NM	126295
890-9205-2	SW - 5	Total/NA	Solid	8015B NM	126295
MB 880-126295/1-A	Method Blank	Total/NA	Solid	8015B NM	126295
LCS 880-126295/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126295
LCSD 880-126295/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126295
890-9205-1 MS	SW - 4	Total/NA	Solid	8015B NM	126295
890-9205-1 MSD	SW - 4	Total/NA	Solid	8015B NM	126295

Analysis Batch: 126417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9205-1	SW - 4	Total/NA	Solid	8015 NM	
890-9205-2	SW - 5	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

HPLC/IC

Leach Batch: 126305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9205-1	SW - 4	Soluble	Solid	DI Leach	
890-9205-2	SW - 5	Soluble	Solid	DI Leach	
MB 880-126305/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126305/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126305/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 126310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9205-1	SW - 4	Soluble	Solid	300.0	126305
890-9205-2	SW - 5	Soluble	Solid	300.0	126305
MB 880-126305/1-A	Method Blank	Soluble	Solid	300.0	126305
LCS 880-126305/2-A	Lab Control Sample	Soluble	Solid	300.0	126305
LCSD 880-126305/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126305

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9205-1
Project/Site: East Loop 20" HP
SDG: Lea County. NM

Client Sample ID: SW - 4
Lab Sample ID: 890-9205-1
Date Collected: 12/10/25 09:00
Matrix: Solid
Date Received: 12/10/25 15:12

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	126324	12/11/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126306	12/11/25 11:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126421	12/11/25 11:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			126417	12/11/25 10:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 10:07	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 14:14	CS	EET MID

Client Sample ID: SW - 5
Lab Sample ID: 890-9205-2
Date Collected: 12/10/25 09:05
Matrix: Solid
Date Received: 12/10/25 15:12

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	126324	12/11/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126306	12/11/25 11:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126421	12/11/25 11:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			126417	12/11/25 10:55	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126295	12/10/25 17:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126335	12/11/25 10:55	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126305	12/11/25 08:01	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126310	12/11/25 14:19	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9205-1
Project/Site: East Loop 20" HP
SDG: Lea County. NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9205-1
SDG: Lea County. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9205-1	SW - 4	Solid	12/10/25 09:00	12/10/25 15:12	0-2
890-9205-2	SW - 5	Solid	12/10/25 09:05	12/10/25 15:12	0-2

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tnm007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.6
Total Containers:		Corrected Temperature:	0.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

890-9205 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
SW-4	S	12.10.25	9:00	0-2	Comp	1		X	X	X		X	Incident Number
SW-5	S	12.10.25	9:05	0-2	Comp	1		X	X	X		X	nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 Michael Benini	Sam	12-10 1512	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6246.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-9205-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 12/11/2025			
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: EAST LOOP 20" HP	Project #: 88002337			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_PrepTPH 8015	8015MOD_Calc8015 Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV(MOD) Total BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW - 4 (890-9205-1)	12/10/25	09:00 Mountain	G	Solid			X	X	X	X	X	1	
SW - 5 (890-9205-2)	12/10/25	09:05 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: [signature]	Date/Time: 12-10 1630	Company	Received by: [signature]	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Teddy Ramirez	Date/Time: 12/11/25 0800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4/1.3 IR-8 (-0.1)

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9205-1
SDG Number: Lea County. NM

Login Number: 9205
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9205-1
SDG Number: Lea County. NM

Login Number: 9205
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 12/11/25 07:42 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 12/15/2025 2:54:09 PM

JOB DESCRIPTION

East Loop 20 HP
Lea County, NM

JOB NUMBER

890-9228-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 3/3/2026 2:23:29 PM

my EOL

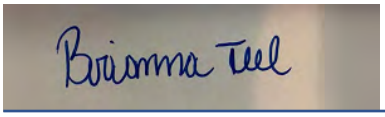
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
12/15/2025 2:54:09 PM

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

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Laboratory Job ID: 890-9228-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9228-1
Project: East Loop 20 HP

Job ID: 890-9228-1 Eurofins Carlsbad

Job Narrative
890-9228-1

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 12/12/2025 2:29 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-6 (890-9228-1), SW-7 (890-9228-2), SW-8 (890-9228-3), SW-9 (890-9228-4), SW-10 (890-9228-5), SW-11 (890-9228-6), SW-12 (890-9228-7), SW-13 (890-9228-8), SW-14 (890-9228-9), SW-15 (890-9228-10), SW-16 (890-9228-11), SW-17 (890-9228-12), SW-18 (890-9228-13), SW-19 (890-9228-14), SW-20 (890-9228-15) and SW-21 (890-9228-16).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126456 and 880-126611 and analytical batch 880-126594 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-9 (890-9228-4), SW-10 (890-9228-5), SW-11 (890-9228-6), SW-12 (890-9228-7), SW-13 (890-9228-8), SW-14 (890-9228-9), SW-15 (890-9228-10), SW-19 (890-9228-14), SW-20 (890-9228-15) and SW-21 (890-9228-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-9228-A-1-B MS) and (890-9228-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-16 (890-9228-11), SW-18 (890-9228-13) and SW-20 (890-9228-15). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-21 (890-9228-16). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126581 and analytical batch 880-126596 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126606 and analytical batch 880-126648 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9228-1
Project: East Loop 20 HP

Job ID: 890-9228-1 (Continued) Eurofins Carlsbad

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-6

Lab Sample ID: 890-9228-1
Matrix: Solid
Date Collected: 12/12/25 10:25
Date Received: 12/12/25 14:29
Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 03:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 03:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 03:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:26	12/14/25 03:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 03:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:26	12/14/25 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*12/13/25 08:26*	*12/14/25 03:00*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/13/25 08:26*	*12/14/25 03:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/14/25 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	<49.6	U F1	49.6		mg/Kg		12/12/25 16:31	12/14/25 20:53	1
Diesel Range Organics (Over C10-C28)	<49.6	U F1	49.6		mg/Kg		12/12/25 16:31	12/14/25 20:53	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/12/25 16:31	12/14/25 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*12/12/25 16:31*	*12/14/25 20:53*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/12/25 16:31*	*12/14/25 20:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.4**		10.1		mg/Kg			12/15/25 10:34	1

Client Sample ID: SW-7

Lab Sample ID: 890-9228-2
Matrix: Solid
Date Collected: 12/12/25 10:30
Date Received: 12/12/25 14:29
Sample Depth: 0-6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 03:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 03:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 03:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:26	12/14/25 03:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 03:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:26	12/14/25 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*12/13/25 08:26*	*12/14/25 03:21*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-7

Lab Sample ID: 890-9228-2
Matrix: Solid
Date Collected: 12/12/25 10:30
Date Received: 12/12/25 14:29
Sample Depth: 0-6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*12/13/25 08:26*	*12/14/25 03:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/14/25 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 21:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*12/12/25 16:31*	*12/14/25 21:35*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/12/25 16:31*	*12/14/25 21:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		9.94		mg/Kg			12/15/25 10:40	1

Client Sample ID: SW-8

Lab Sample ID: 890-9228-3
Matrix: Solid
Date Collected: 12/12/25 08:15
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 03:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 03:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 03:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 03:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 03:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/13/25 08:26*	*12/14/25 03:41*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/13/25 08:26*	*12/14/25 03:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 03:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/14/25 21:50	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-8

Lab Sample ID: 890-9228-3
Matrix: Solid
Date Collected: 12/12/25 08:15
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/14/25 21:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/14/25 21:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/14/25 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*12/12/25 16:31*	*12/14/25 21:50*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/12/25 16:31*	*12/14/25 21:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**296**		9.98		mg/Kg			12/15/25 10:57	1

Client Sample ID: SW-9

Lab Sample ID: 890-9228-4
Matrix: Solid
Date Collected: 12/12/25 08:20
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:26	12/14/25 04:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:26	12/14/25 04:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:26	12/14/25 04:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/25 08:26	12/14/25 04:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:26	12/14/25 04:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/25 08:26	12/14/25 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 04:01*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/13/25 08:26*	*12/14/25 04:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/14/25 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/14/25 22:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*12/12/25 16:31*	*12/14/25 22:04*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/12/25 16:31*	*12/14/25 22:04*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-9

Lab Sample ID: 890-9228-4
Matrix: Solid
Date Collected: 12/12/25 08:20
Date Received: 12/12/25 14:29
Sample Depth: 0-25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**306**		10.1		mg/Kg			12/15/25 11:02	1

Client Sample ID: SW-10

Lab Sample ID: 890-9228-5
Matrix: Solid
Date Collected: 12/12/25 08:25
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 04:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 04:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 04:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:26	12/14/25 04:22	1
o-Xylene	**0.00255**		0.00200		mg/Kg		12/13/25 08:26	12/14/25 04:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:26	12/14/25 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 04:22*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*12/13/25 08:26*	*12/14/25 04:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 04:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/14/25 22:17	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	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/12/25 16:31*	*12/14/25 22:17*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/12/25 16:31*	*12/14/25 22:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**305**		10.0		mg/Kg			12/15/25 11:19	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-11

Date Collected: 12/12/25 08:30
Date Received: 12/12/25 14:29
Sample Depth: 0-25

Lab Sample ID: 890-9228-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 04:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 04:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 04:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:26	12/14/25 04:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 04:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:26	12/14/25 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*12/13/25 08:26*	*12/14/25 04:42*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*12/13/25 08:26*	*12/14/25 04:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/14/25 04:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/14/25 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/14/25 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/12/25 16:31*	*12/14/25 22:32*	*1*
o-Terphenyl	*116*		*70 - 130*	*12/12/25 16:31*	*12/14/25 22:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**395**		10.1		mg/Kg			12/15/25 11:25	1

Client Sample ID: SW-12

Date Collected: 12/12/25 08:35
Date Received: 12/12/25 14:29
Sample Depth: 0-25

Lab Sample ID: 890-9228-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:26	12/14/25 05:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:26	12/14/25 05:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:26	12/14/25 05:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/13/25 08:26	12/14/25 05:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:26	12/14/25 05:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/13/25 08:26	12/14/25 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 05:03*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-12

Date Collected: 12/12/25 08:35
Date Received: 12/12/25 14:29
Sample Depth: 0-25

Lab Sample ID: 890-9228-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*12/13/25 08:26*	*12/14/25 05:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/14/25 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 22:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 22:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 22:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*12/12/25 16:31*	*12/14/25 22:45*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/12/25 16:31*	*12/14/25 22:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**353**		50.4		mg/Kg			12/15/25 11:31	5

Client Sample ID: SW-13

Date Collected: 12/12/25 08:40
Date Received: 12/12/25 14:29
Sample Depth: 0-25

Lab Sample ID: 890-9228-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 05:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 05:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 05:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 05:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 05:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 05:23*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*12/13/25 08:26*	*12/14/25 05:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 05:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/14/25 23:00	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-13

Lab Sample ID: 890-9228-8
Matrix: Solid
Date Collected: 12/12/25 08:40
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/14/25 23:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/14/25 23:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/14/25 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*12/12/25 16:31*	*12/14/25 23:00*	*1*
o-Terphenyl	*127*		*70 - 130*	*12/12/25 16:31*	*12/14/25 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**348**		49.6		mg/Kg			12/15/25 11:36	5

Client Sample ID: SW-14

Lab Sample ID: 890-9228-9
Matrix: Solid
Date Collected: 12/12/25 08:45
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:26	12/14/25 05:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:26	12/14/25 05:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:26	12/14/25 05:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/13/25 08:26	12/14/25 05:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/13/25 08:26	12/14/25 05:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/13/25 08:26	12/14/25 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 05:44*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*12/13/25 08:26*	*12/14/25 05:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/14/25 05:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 23:14	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	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 23:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 23:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*12/12/25 16:31*	*12/14/25 23:14*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/12/25 16:31*	*12/14/25 23:14*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-14

Lab Sample ID: 890-9228-9
Matrix: Solid
Date Collected: 12/12/25 08:45
Date Received: 12/12/25 14:29
Sample Depth: 0-25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	402	F1 F2	9.92		mg/Kg			12/15/25 09:22	1

Client Sample ID: SW-15

Lab Sample ID: 890-9228-10
Matrix: Solid
Date Collected: 12/12/25 08:50
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 06:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 06:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 06:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:26	12/14/25 06:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 06:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:26	12/14/25 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 06:04*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*12/13/25 08:26*	*12/14/25 06:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 06:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/14/25 23:28	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	<50.1	U	50.1		mg/Kg		12/12/25 16:31	12/14/25 23:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/12/25 16:31	12/14/25 23:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/12/25 16:31	12/14/25 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*12/12/25 16:31*	*12/14/25 23:28*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/12/25 16:31*	*12/14/25 23:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		9.92		mg/Kg			12/15/25 09:32	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-16

Lab Sample ID: 890-9228-11
Matrix: Solid
Date Collected: 12/12/25 08:55
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 07:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 07:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 07:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 07:55	1
o-Xylene	**0.00288**		0.00199		mg/Kg		12/13/25 08:26	12/14/25 07:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/13/25 08:26*	*12/14/25 07:55*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/13/25 08:26*	*12/14/25 07:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 07:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/14/25 23:56	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	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 23:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 23:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*12/12/25 16:31*	*12/14/25 23:56*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*12/12/25 16:31*	*12/14/25 23:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**472**		9.98		mg/Kg			12/15/25 09:37	1

Client Sample ID: SW-17

Lab Sample ID: 890-9228-12
Matrix: Solid
Date Collected: 12/12/25 09:00
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 08:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 08:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 08:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/13/25 08:26	12/14/25 08:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 08:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/13/25 08:26	12/14/25 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*12/13/25 08:26*	*12/14/25 08:15*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-17

Lab Sample ID: 890-9228-12
Matrix: Solid
Date Collected: 12/12/25 09:00
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/13/25 08:26*	*12/14/25 08:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/14/25 08:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/15/25 00:10	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	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 00:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 00:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*115*		*70 - 130*	*12/12/25 16:31*	*12/15/25 00:10*	*1*
o-Terphenyl	*126*		*70 - 130*	*12/12/25 16:31*	*12/15/25 00:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**464**		10.0		mg/Kg			12/15/25 09:42	1

Client Sample ID: SW-18

Lab Sample ID: 890-9228-13
Matrix: Solid
Date Collected: 12/12/25 09:05
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 08:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 08:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 08:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/13/25 08:26	12/14/25 08:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/13/25 08:26	12/14/25 08:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/13/25 08:26	12/14/25 08:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*12/13/25 08:26*	*12/14/25 08:36*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*12/13/25 08:26*	*12/14/25 08:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/14/25 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/15/25 00:24	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-18

Lab Sample ID: 890-9228-13
Matrix: Solid
Date Collected: 12/12/25 09:05
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/15/25 00:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/15/25 00:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/15/25 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*12/12/25 16:31*	*12/15/25 00:24*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*12/12/25 16:31*	*12/15/25 00:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**435**		10.1		mg/Kg			12/15/25 09:47	1

Client Sample ID: SW-19

Lab Sample ID: 890-9228-14
Matrix: Solid
Date Collected: 12/12/25 09:10
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:26	12/14/25 08:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:26	12/14/25 08:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:26	12/14/25 08:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/13/25 08:26	12/14/25 08:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/13/25 08:26	12/14/25 08:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/13/25 08:26	12/14/25 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 08:56*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*12/13/25 08:26*	*12/14/25 08:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/14/25 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/15/25 00:38	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	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/15/25 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*12/12/25 16:31*	*12/15/25 00:38*	*1*
o-Terphenyl	*129*		*70 - 130*	*12/12/25 16:31*	*12/15/25 00:38*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-19

Lab Sample ID: 890-9228-14
Matrix: Solid
Date Collected: 12/12/25 09:10
Date Received: 12/12/25 14:29
Sample Depth: 0-25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	464		9.96		mg/Kg			12/15/25 10:02	1

Client Sample ID: SW-20

Lab Sample ID: 890-9228-15
Matrix: Solid
Date Collected: 12/12/25 09:15
Date Received: 12/12/25 14:29
Sample Depth: 0-25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 09:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 09:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 09:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 09:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 09:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 09:17*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/13/25 08:26*	*12/14/25 09:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/15/25 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 00:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 00:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/12/25 16:31	12/15/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/12/25 16:31*	*12/15/25 00:52*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*12/12/25 16:31*	*12/15/25 00:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	425		9.98		mg/Kg			12/15/25 10:07	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-21

Date Collected: 12/12/25 09:20
Date Received: 12/12/25 14:29
Sample Depth: 0-25

Lab Sample ID: 890-9228-16

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 09:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 09:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 09:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 09:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/13/25 08:26	12/14/25 09:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/13/25 08:26	12/14/25 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 09:37*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*12/13/25 08:26*	*12/14/25 09:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/14/25 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/15/25 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/15/25 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/15/25 01:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/12/25 16:31	12/15/25 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/12/25 16:31*	*12/15/25 01:06*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*12/12/25 16:31*	*12/15/25 01:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**419**		9.94		mg/Kg			12/15/25 10:11	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9228-1	SW-6	100	101
890-9228-1 MS	SW-6	101	92
890-9228-1 MSD	SW-6	97	100
890-9228-2	SW-7	119	113
890-9228-3	SW-8	122	109
890-9228-4	SW-9	141 S1+	115
890-9228-5	SW-10	151 S1+	126
890-9228-6	SW-11	127	112
890-9228-7	SW-12	138 S1+	110
890-9228-8	SW-13	141 S1+	117
890-9228-9	SW-14	140 S1+	116
890-9228-10	SW-15	146 S1+	120
890-9228-11	SW-16	102	103
890-9228-12	SW-17	127	114
890-9228-13	SW-18	127	110
890-9228-14	SW-19	134 S1+	116
890-9228-15	SW-20	138 S1+	108
890-9228-16	SW-21	145 S1+	118
LCS 880-126611/1-A	Lab Control Sample	108	97
LCSD 880-126611/2-A	Lab Control Sample Dup	102	95
MB 880-126456/5-A	Method Blank	270 S1+	129
MB 880-126611/5-A	Method Blank	186 S1+	110

Surrogate Legend

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

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

Matrix: Solid | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9228-1	SW-6	116	128
890-9228-1 MS	SW-6	132 S1+	124
890-9228-1 MSD	SW-6	132 S1+	122
890-9228-2	SW-7	107	117
890-9228-3	SW-8	112	124
890-9228-4	SW-9	103	117
890-9228-5	SW-10	115	125
890-9228-6	SW-11	108	116
890-9228-7	SW-12	119	127
890-9228-8	SW-13	117	127
890-9228-9	SW-14	116	125
890-9228-10	SW-15	83	90
890-9228-11	SW-16	126	132 S1+
890-9228-12	SW-17	115	126
890-9228-13	SW-18	126	135 S1+
890-9228-14	SW-19	122	129
890-9228-15	SW-20	124	134 S1+

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9228-1
Project/Site: East Loop 20 HP
SDG: Lea County, NM

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-9228-16	SW-21	134 S1+	142 S1+								
LCS 880-126581/2-A	Lab Control Sample	126	119								
LCSD 880-126581/3-A	Lab Control Sample Dup	126	116								
MB 880-126581/1-A	Method Blank	110	112								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126456/5-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:49	12/13/25 14:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:49	12/13/25 14:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:49	12/13/25 14:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/12/25 08:49	12/13/25 14:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/12/25 08:49	12/13/25 14:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/12/25 08:49	12/13/25 14:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*270*	*S1+*	*70 - 130*	*12/12/25 08:49*	*12/13/25 14:55*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*12/12/25 08:49*	*12/13/25 14:55*	*1*

Lab Sample ID: MB 880-126611/5-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/13/25 08:26	12/14/25 02:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/13/25 08:26	12/14/25 02:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*	*12/13/25 08:26*	*12/14/25 02:31*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*12/13/25 08:26*	*12/14/25 02:31*	*1*

Lab Sample ID: LCS 880-126611/1-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1014		mg/Kg		101	70 - 130
Toluene	0.100	0.1015		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1111		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2161		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1015		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-126611/2-A
Matrix: Solid
Analysis Batch: 126594

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126611

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09564		mg/Kg		96	70 - 130	6	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-126611/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126594 — **Prep Batch: 126611**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09690		mg/Kg		97	70 - 130	5	35
Ethylbenzene			0.100	0.1136		mg/Kg		114	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2139		mg/Kg		107	70 - 130	1	35
o-Xylene			0.100	0.1093		mg/Kg		109	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-9228-1 MS — **Client Sample ID: SW-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126594 — **Prep Batch: 126611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08215		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.100	0.08171		mg/Kg		82	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08598		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1651		mg/Kg		83	70 - 130
o-Xylene	<0.00200	U	0.100	0.08682		mg/Kg		87	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-9228-1 MSD — **Client Sample ID: SW-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126594 — **Prep Batch: 126611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08271		mg/Kg		83	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.08592		mg/Kg		86	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09023		mg/Kg		89	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1779		mg/Kg		89	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.08506		mg/Kg		85	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-126581/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126596 — **Prep Batch: 126581**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 19:16	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-126581/1-A
Matrix: Solid
Analysis Batch: 126596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 19:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/12/25 16:31	12/14/25 19:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/12/25 16:31*	*12/14/25 19:16*	*1*
o-Terphenyl	*112*		*70 - 130*	*12/12/25 16:31*	*12/14/25 19:16*	*1*

Lab Sample ID: LCS 880-126581/2-A
Matrix: Solid
Analysis Batch: 126596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126581

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	924.0		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	886.1		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: LCSD 880-126581/3-A
Matrix: Solid
Analysis Batch: 126596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126581

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	949.8		mg/Kg		95	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	849.7		mg/Kg		85	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: 890-9228-1 MS
Matrix: Solid
Analysis Batch: 126596

Client Sample ID: SW-6
Prep Type: Total/NA
Prep Batch: 126581

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U F1	999	706.8	F1	mg/Kg		68	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.6	U F1	999	656.1	F1	mg/Kg		63	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*132*	*S1+*	*70 - 130*
o-Terphenyl	*124*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9228-1 MSD
Matrix: Solid
Analysis Batch: 126596

Client Sample ID: SW-6
Prep Type: Total/NA
Prep Batch: 126581

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U F1	999	682.0	F1	mg/Kg		66	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1	999	652.9	F1	mg/Kg		62	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*132*	*S1+*	*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126605/1-A
Matrix: Solid
Analysis Batch: 126647

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/15/25 09:04	1

Lab Sample ID: LCS 880-126605/2-A
Matrix: Solid
Analysis Batch: 126647

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.8		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-126605/3-A
Matrix: Solid
Analysis Batch: 126647

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	249.7		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-9228-2 MS
Matrix: Solid
Analysis Batch: 126647

Client Sample ID: SW-7
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	150		249	415.7		mg/Kg		107	90 - 110

Lab Sample ID: 890-9228-2 MSD
Matrix: Solid
Analysis Batch: 126647

Client Sample ID: SW-7
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	150		249	404.7		mg/Kg		103	90 - 110	3	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-126606/1-A
Matrix: Solid
Analysis Batch: 126648

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/15/25 09:02	1

Lab Sample ID: LCS 880-126606/2-A
Matrix: Solid
Analysis Batch: 126648

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	236.2		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-126606/3-A
Matrix: Solid
Analysis Batch: 126648

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	234.6		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 890-9228-9 MS
Matrix: Solid
Analysis Batch: 126648

Client Sample ID: SW-14
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	402	F1 F2	248	639.2		mg/Kg		95	90 - 110		

Lab Sample ID: 890-9228-9 MSD
Matrix: Solid
Analysis Batch: 126648

Client Sample ID: SW-14
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	402	F1 F2	248	400.4	F1 F2	mg/Kg		-0.8	90 - 110	46	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

GC VOA

Prep Batch: 126456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126456/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 126594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-1	SW-6	Total/NA	Solid	8021B	126611
890-9228-2	SW-7	Total/NA	Solid	8021B	126611
890-9228-3	SW-8	Total/NA	Solid	8021B	126611
890-9228-4	SW-9	Total/NA	Solid	8021B	126611
890-9228-5	SW-10	Total/NA	Solid	8021B	126611
890-9228-6	SW-11	Total/NA	Solid	8021B	126611
890-9228-7	SW-12	Total/NA	Solid	8021B	126611
890-9228-8	SW-13	Total/NA	Solid	8021B	126611
890-9228-9	SW-14	Total/NA	Solid	8021B	126611
890-9228-10	SW-15	Total/NA	Solid	8021B	126611
890-9228-11	SW-16	Total/NA	Solid	8021B	126611
890-9228-12	SW-17	Total/NA	Solid	8021B	126611
890-9228-13	SW-18	Total/NA	Solid	8021B	126611
890-9228-14	SW-19	Total/NA	Solid	8021B	126611
890-9228-15	SW-20	Total/NA	Solid	8021B	126611
890-9228-16	SW-21	Total/NA	Solid	8021B	126611
MB 880-126456/5-A	Method Blank	Total/NA	Solid	8021B	126456
MB 880-126611/5-A	Method Blank	Total/NA	Solid	8021B	126611
LCS 880-126611/1-A	Lab Control Sample	Total/NA	Solid	8021B	126611
LCSD 880-126611/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126611
890-9228-1 MS	SW-6	Total/NA	Solid	8021B	126611
890-9228-1 MSD	SW-6	Total/NA	Solid	8021B	126611

Prep Batch: 126611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-1	SW-6	Total/NA	Solid	5035	
890-9228-2	SW-7	Total/NA	Solid	5035	
890-9228-3	SW-8	Total/NA	Solid	5035	
890-9228-4	SW-9	Total/NA	Solid	5035	
890-9228-5	SW-10	Total/NA	Solid	5035	
890-9228-6	SW-11	Total/NA	Solid	5035	
890-9228-7	SW-12	Total/NA	Solid	5035	
890-9228-8	SW-13	Total/NA	Solid	5035	
890-9228-9	SW-14	Total/NA	Solid	5035	
890-9228-10	SW-15	Total/NA	Solid	5035	
890-9228-11	SW-16	Total/NA	Solid	5035	
890-9228-12	SW-17	Total/NA	Solid	5035	
890-9228-13	SW-18	Total/NA	Solid	5035	
890-9228-14	SW-19	Total/NA	Solid	5035	
890-9228-15	SW-20	Total/NA	Solid	5035	
890-9228-16	SW-21	Total/NA	Solid	5035	
MB 880-126611/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126611/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126611/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9228-1 MS	SW-6	Total/NA	Solid	5035	
890-9228-1 MSD	SW-6	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 126688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-1	SW-6	Total/NA	Solid	Total BTEX	
890-9228-2	SW-7	Total/NA	Solid	Total BTEX	
890-9228-3	SW-8	Total/NA	Solid	Total BTEX	
890-9228-4	SW-9	Total/NA	Solid	Total BTEX	
890-9228-5	SW-10	Total/NA	Solid	Total BTEX	
890-9228-6	SW-11	Total/NA	Solid	Total BTEX	
890-9228-7	SW-12	Total/NA	Solid	Total BTEX	
890-9228-8	SW-13	Total/NA	Solid	Total BTEX	
890-9228-9	SW-14	Total/NA	Solid	Total BTEX	
890-9228-10	SW-15	Total/NA	Solid	Total BTEX	
890-9228-11	SW-16	Total/NA	Solid	Total BTEX	
890-9228-12	SW-17	Total/NA	Solid	Total BTEX	
890-9228-13	SW-18	Total/NA	Solid	Total BTEX	
890-9228-14	SW-19	Total/NA	Solid	Total BTEX	
890-9228-15	SW-20	Total/NA	Solid	Total BTEX	
890-9228-16	SW-21	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 126581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-1	SW-6	Total/NA	Solid	8015NM Prep	
890-9228-2	SW-7	Total/NA	Solid	8015NM Prep	
890-9228-3	SW-8	Total/NA	Solid	8015NM Prep	
890-9228-4	SW-9	Total/NA	Solid	8015NM Prep	
890-9228-5	SW-10	Total/NA	Solid	8015NM Prep	
890-9228-6	SW-11	Total/NA	Solid	8015NM Prep	
890-9228-7	SW-12	Total/NA	Solid	8015NM Prep	
890-9228-8	SW-13	Total/NA	Solid	8015NM Prep	
890-9228-9	SW-14	Total/NA	Solid	8015NM Prep	
890-9228-10	SW-15	Total/NA	Solid	8015NM Prep	
890-9228-11	SW-16	Total/NA	Solid	8015NM Prep	
890-9228-12	SW-17	Total/NA	Solid	8015NM Prep	
890-9228-13	SW-18	Total/NA	Solid	8015NM Prep	
890-9228-14	SW-19	Total/NA	Solid	8015NM Prep	
890-9228-15	SW-20	Total/NA	Solid	8015NM Prep	
890-9228-16	SW-21	Total/NA	Solid	8015NM Prep	
MB 880-126581/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126581/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126581/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9228-1 MS	SW-6	Total/NA	Solid	8015NM Prep	
890-9228-1 MSD	SW-6	Total/NA	Solid	8015NM Prep	

Analysis Batch: 126596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-1	SW-6	Total/NA	Solid	8015B NM	126581
890-9228-2	SW-7	Total/NA	Solid	8015B NM	126581
890-9228-3	SW-8	Total/NA	Solid	8015B NM	126581
890-9228-4	SW-9	Total/NA	Solid	8015B NM	126581
890-9228-5	SW-10	Total/NA	Solid	8015B NM	126581
890-9228-6	SW-11	Total/NA	Solid	8015B NM	126581

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 126596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-7	SW-12	Total/NA	Solid	8015B NM	126581
890-9228-8	SW-13	Total/NA	Solid	8015B NM	126581
890-9228-9	SW-14	Total/NA	Solid	8015B NM	126581
890-9228-10	SW-15	Total/NA	Solid	8015B NM	126581
890-9228-11	SW-16	Total/NA	Solid	8015B NM	126581
890-9228-12	SW-17	Total/NA	Solid	8015B NM	126581
890-9228-13	SW-18	Total/NA	Solid	8015B NM	126581
890-9228-14	SW-19	Total/NA	Solid	8015B NM	126581
890-9228-15	SW-20	Total/NA	Solid	8015B NM	126581
890-9228-16	SW-21	Total/NA	Solid	8015B NM	126581
MB 880-126581/1-A	Method Blank	Total/NA	Solid	8015B NM	126581
LCS 880-126581/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126581
LCSD 880-126581/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126581
890-9228-1 MS	SW-6	Total/NA	Solid	8015B NM	126581
890-9228-1 MSD	SW-6	Total/NA	Solid	8015B NM	126581

Analysis Batch: 126670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-1	SW-6	Total/NA	Solid	8015 NM	
890-9228-2	SW-7	Total/NA	Solid	8015 NM	
890-9228-3	SW-8	Total/NA	Solid	8015 NM	
890-9228-4	SW-9	Total/NA	Solid	8015 NM	
890-9228-5	SW-10	Total/NA	Solid	8015 NM	
890-9228-6	SW-11	Total/NA	Solid	8015 NM	
890-9228-7	SW-12	Total/NA	Solid	8015 NM	
890-9228-8	SW-13	Total/NA	Solid	8015 NM	
890-9228-9	SW-14	Total/NA	Solid	8015 NM	
890-9228-10	SW-15	Total/NA	Solid	8015 NM	
890-9228-11	SW-16	Total/NA	Solid	8015 NM	
890-9228-12	SW-17	Total/NA	Solid	8015 NM	
890-9228-13	SW-18	Total/NA	Solid	8015 NM	
890-9228-14	SW-19	Total/NA	Solid	8015 NM	
890-9228-15	SW-20	Total/NA	Solid	8015 NM	
890-9228-16	SW-21	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 126605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-1	SW-6	Soluble	Solid	DI Leach	
890-9228-2	SW-7	Soluble	Solid	DI Leach	
890-9228-3	SW-8	Soluble	Solid	DI Leach	
890-9228-4	SW-9	Soluble	Solid	DI Leach	
890-9228-5	SW-10	Soluble	Solid	DI Leach	
890-9228-6	SW-11	Soluble	Solid	DI Leach	
890-9228-7	SW-12	Soluble	Solid	DI Leach	
890-9228-8	SW-13	Soluble	Solid	DI Leach	
MB 880-126605/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126605/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126605/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9228-2 MS	SW-7	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 126605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-2 MSD	SW-7	Soluble	Solid	DI Leach	

Leach Batch: 126606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-9	SW-14	Soluble	Solid	DI Leach	
890-9228-10	SW-15	Soluble	Solid	DI Leach	
890-9228-11	SW-16	Soluble	Solid	DI Leach	
890-9228-12	SW-17	Soluble	Solid	DI Leach	
890-9228-13	SW-18	Soluble	Solid	DI Leach	
890-9228-14	SW-19	Soluble	Solid	DI Leach	
890-9228-15	SW-20	Soluble	Solid	DI Leach	
890-9228-16	SW-21	Soluble	Solid	DI Leach	
MB 880-126606/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126606/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126606/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9228-9 MS	SW-14	Soluble	Solid	DI Leach	
890-9228-9 MSD	SW-14	Soluble	Solid	DI Leach	

Analysis Batch: 126647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-1	SW-6	Soluble	Solid	300.0	126605
890-9228-2	SW-7	Soluble	Solid	300.0	126605
890-9228-3	SW-8	Soluble	Solid	300.0	126605
890-9228-4	SW-9	Soluble	Solid	300.0	126605
890-9228-5	SW-10	Soluble	Solid	300.0	126605
890-9228-6	SW-11	Soluble	Solid	300.0	126605
890-9228-7	SW-12	Soluble	Solid	300.0	126605
890-9228-8	SW-13	Soluble	Solid	300.0	126605
MB 880-126605/1-A	Method Blank	Soluble	Solid	300.0	126605
LCS 880-126605/2-A	Lab Control Sample	Soluble	Solid	300.0	126605
LCSD 880-126605/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126605
890-9228-2 MS	SW-7	Soluble	Solid	300.0	126605
890-9228-2 MSD	SW-7	Soluble	Solid	300.0	126605

Analysis Batch: 126648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9228-9	SW-14	Soluble	Solid	300.0	126606
890-9228-10	SW-15	Soluble	Solid	300.0	126606
890-9228-11	SW-16	Soluble	Solid	300.0	126606
890-9228-12	SW-17	Soluble	Solid	300.0	126606
890-9228-13	SW-18	Soluble	Solid	300.0	126606
890-9228-14	SW-19	Soluble	Solid	300.0	126606
890-9228-15	SW-20	Soluble	Solid	300.0	126606
890-9228-16	SW-21	Soluble	Solid	300.0	126606
MB 880-126606/1-A	Method Blank	Soluble	Solid	300.0	126606
LCS 880-126606/2-A	Lab Control Sample	Soluble	Solid	300.0	126606
LCSD 880-126606/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126606
890-9228-9 MS	SW-14	Soluble	Solid	300.0	126606
890-9228-9 MSD	SW-14	Soluble	Solid	300.0	126606

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-6
Date Collected: 12/12/25 10:25
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 03:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 03:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 20:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 20:53	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126605	12/15/25 06:15	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126647	12/15/25 10:34	CS	EET MID

Client Sample ID: SW-7
Date Collected: 12/12/25 10:30
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 03:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 03:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 21:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 21:35	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126605	12/15/25 06:15	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126647	12/15/25 10:40	CS	EET MID

Client Sample ID: SW-8
Date Collected: 12/12/25 08:15
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 03:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 03:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 21:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 21:50	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126605	12/15/25 06:15	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126647	12/15/25 10:57	CS	EET MID

Client Sample ID: SW-9
Date Collected: 12/12/25 08:20
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 04:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 04:01	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-9

Lab Sample ID: 890-9228-4
Matrix: Solid
Date Collected: 12/12/25 08:20
Date Received: 12/12/25 14:29

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			126670	12/14/25 22:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 22:04	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126605	12/15/25 06:15	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126647	12/15/25 11:02	CS	EET MID

Client Sample ID: SW-10

Lab Sample ID: 890-9228-5
Matrix: Solid
Date Collected: 12/12/25 08:25
Date Received: 12/12/25 14:29

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	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 04:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 22:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 22:17	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126605	12/15/25 06:15	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126647	12/15/25 11:19	CS	EET MID

Client Sample ID: SW-11

Lab Sample ID: 890-9228-6
Matrix: Solid
Date Collected: 12/12/25 08:30
Date Received: 12/12/25 14:29

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	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 04:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 04:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 22:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 22:32	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126605	12/15/25 06:15	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126647	12/15/25 11:25	CS	EET MID

Client Sample ID: SW-12

Lab Sample ID: 890-9228-7
Matrix: Solid
Date Collected: 12/12/25 08:35
Date Received: 12/12/25 14:29

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	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 05:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 05:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 22:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 22:45	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-12

Date Collected: 12/12/25 08:35
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	126605	12/15/25 06:15	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	126647	12/15/25 11:31	CS	EET MID

Client Sample ID: SW-13

Date Collected: 12/12/25 08:40
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 05:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 05:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 23:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 23:00	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126605	12/15/25 06:15	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	126647	12/15/25 11:36	CS	EET MID

Client Sample ID: SW-14

Date Collected: 12/12/25 08:45
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 05:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 05:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 23:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 23:14	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 09:22	CS	EET MID

Client Sample ID: SW-15

Date Collected: 12/12/25 08:50
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 06:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 06:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 23:28	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 23:28	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 09:32	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-16

Lab Sample ID: 890-9228-11
Matrix: Solid
Date Collected: 12/12/25 08:55
Date Received: 12/12/25 14:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 07:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 07:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/14/25 23:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/14/25 23:56	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 09:37	CS	EET MID

Client Sample ID: SW-17

Lab Sample ID: 890-9228-12
Matrix: Solid
Date Collected: 12/12/25 09:00
Date Received: 12/12/25 14:29

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	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 08:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 08:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/15/25 00:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 00:10	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 09:42	CS	EET MID

Client Sample ID: SW-18

Lab Sample ID: 890-9228-13
Matrix: Solid
Date Collected: 12/12/25 09:05
Date Received: 12/12/25 14:29

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	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 08:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 08:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/15/25 00:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 00:24	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 09:47	CS	EET MID

Client Sample ID: SW-19

Lab Sample ID: 890-9228-14
Matrix: Solid
Date Collected: 12/12/25 09:10
Date Received: 12/12/25 14:29

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	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 08:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 08:56	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Client Sample ID: SW-19
Date Collected: 12/12/25 09:10
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126670	12/15/25 00:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 00:38	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 10:02	CS	EET MID

Client Sample ID: SW-20
Date Collected: 12/12/25 09:15
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 09:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 09:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/15/25 00:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 00:52	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 10:07	CS	EET MID

Client Sample ID: SW-21
Date Collected: 12/12/25 09:20
Date Received: 12/12/25 14:29

Lab Sample ID: 890-9228-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	126611	12/13/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126594	12/14/25 09:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126688	12/14/25 09:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			126670	12/15/25 01:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126581	12/12/25 16:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126596	12/15/25 01:06	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	126606	12/15/25 06:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126648	12/15/25 10:11	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9228-1
Project/Site: East Loop 20 HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20 HP

Job ID: 890-9228-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9228-1	SW-6	Solid	12/12/25 10:25	12/12/25 14:29	0-4
890-9228-2	SW-7	Solid	12/12/25 10:30	12/12/25 14:29	0-6
890-9228-3	SW-8	Solid	12/12/25 08:15	12/12/25 14:29	0-25
890-9228-4	SW-9	Solid	12/12/25 08:20	12/12/25 14:29	0-25
890-9228-5	SW-10	Solid	12/12/25 08:25	12/12/25 14:29	0-25
890-9228-6	SW-11	Solid	12/12/25 08:30	12/12/25 14:29	0-25
890-9228-7	SW-12	Solid	12/12/25 08:35	12/12/25 14:29	0-25
890-9228-8	SW-13	Solid	12/12/25 08:40	12/12/25 14:29	0-25
890-9228-9	SW-14	Solid	12/12/25 08:45	12/12/25 14:29	0-25
890-9228-10	SW-15	Solid	12/12/25 08:50	12/12/25 14:29	0-25
890-9228-11	SW-16	Solid	12/12/25 08:55	12/12/25 14:29	0-25
890-9228-12	SW-17	Solid	12/12/25 09:00	12/12/25 14:29	0-25
890-9228-13	SW-18	Solid	12/12/25 09:05	12/12/25 14:29	0-25
890-9228-14	SW-19	Solid	12/12/25 09:10	12/12/25 14:29	0-25
890-9228-15	SW-20	Solid	12/12/25 09:15	12/12/25 14:29	0-25
890-9228-16	SW-21	Solid	12/12/25 09:20	12/12/25 14:29	0-25

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

890-9228 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	INMAC7
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.4
Total Containers:		Corrected Temperature:	-1.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
SW-6	S	12.12.25	10:25	0-4	Comp	1		X	X	X		X
SW-7	S	12.12.25	10:30	0-6	Comp	1		X	X	X		X
SW-8	S	12.12.25	8:15	0-25	Comp	1		X	X	X		X
SW-9	S	12.12.25	8:20	0-25	Comp	1		X	X	X		X
SW-10	S	12.12.25	8:25	0-25	Comp	1		X	X	X		X
SW-11	S	12.12.25	8:30	0-25	Comp	1		X	X	X		X
SW-12	S	12.12.25	8:35	0-25	Comp	1		X	X	X		X
SW-13	S	12.12.25	8:40	0-25	Comp	1		X	X	X		X
SW-14	S	12.12.25	8;45	0-25	Comp	1		X	X	X		X

Sample Comments

Incident Number
nAPP2528933921

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		Burns	12-12 1425			
3				4		
5				6		

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	☐ Routine ☑ Rush
Project Number:	7576	Due Date:	24 Hr Rush
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron, Michael Benini		
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	INMCC1	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.4	
Total Containers:		Corrected Temperature:	-1.2	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Parameters: TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
SW-15	S	12.12.25	8:50	~~0-4~~ 0-25'	Comp	1	X	X	X		X	Incident Number
SW-16	S	12.12.25	8:55	~~0-6~~ 0-25'	Comp	1	X	X	X		X	nAPP2528933921
SW-17	S	12.12.25	9:00	0-25	Comp	1	X	X	X		X	
SW-18	S	12.12.25	9:05	0-25	Comp	1	X	X	X		X	
SW-19	S	12.12.25	9:10	0-25	Comp	1	X	X	X		X	
SW-20	S	12.12.25	9:15	0-25	Comp	1	X	X	X		X	
SW-21	S	12.12.25	9:20	0-25	Comp	1	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 SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0	Burns	12-12 1425			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9228-1
SDG Number: Lea County, NM

Login Number: 9228
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9228-1
SDG Number: Lea County, NM

Login Number: 9228
List Number: 2
Creator: Lee, Randall

List Source: Eurofins Midland
List Creation: 12/14/25 06:29 PM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765

Generated 12/19/2025 12:24:21 PM

JOB DESCRIPTION

East Loop 20" HP
Lea County, NM

JOB NUMBER

890-9242-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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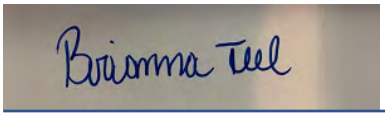
Job Notes

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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Authorized for release by
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Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Laboratory Job ID: 890-9242-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

General Chemistry

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9242-1
Project: East Loop 20" HP

Job ID: 890-9242-1 Eurofins Carlsbad

Job Narrative
890-9242-1

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 12/17/2025 4:16 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 -4.0°C.

Receipt Exceptions
The following samples > were received and analyzed from an unpreserved bulk soil jar: SW - 22 (890-9242-1), SW - 23 (890-9242-2), SW - 24 (890-9242-3), SW - 25 (890-9242-4), SW - 26 (890-9242-5), SW - 27 (890-9242-6), SW - 28 (890-9242-7), SW - 29 (890-9242-8), SW - 30 (890-9242-9), SW - 31 (890-9242-10), SW - 32 (890-9242-11), SW - 33 (890-9242-12), SW - 34 (890-9242-13), SW - 35 (890-9242-14), SW - 36 (890-9242-15), SW - 37 (890-9242-16), SW - 38 (890-9242-17), SW - 39 (890-9242-18), SW - 40 (890-9242-19), SW - 41 (890-9242-20), SW - 42 (890-9242-21), SW - 43 (890-9242-22), SW - 44 (890-9242-23), SW - 45 (890-9242-24), SW - 46 (890-9242-25), SW - 47 (890-9242-26), SW - 48 (890-9242-27), SW - 49 (890-9242-28), SW - 50 (890-9242-29) and SW - 51 (890-9242-30).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SW - 22 (890-9242-1), SW - 23 (890-9242-2), SW - 24 (890-9242-3), SW - 25 (890-9242-4), SW - 26 (890-9242-5), SW - 27 (890-9242-6), SW - 28 (890-9242-7), SW - 29 (890-9242-8), SW - 30 (890-9242-9), SW - 31 (890-9242-10), SW - 32 (890-9242-11), (CCV 880-127051/2), (CCV 880-127051/20), (LCS 880-127065/1-A), (LCSD 880-127065/2-A), (890-9241-A-8-E), (890-9241-A-8-C MS) and (890-9241-A-8-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-127065 and analytical batch 880-127051 was outside the upper control limits.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-127065 and analytical batch 880-127051 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-127063 and analytical batch 880-127054 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW - 43 (890-9242-22), SW - 47 (890-9242-26), SW - 48 (890-9242-27), SW - 49 (890-9242-28), SW - 50 (890-9242-29) and SW - 51 (890-9242-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW - 42 (890-9242-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: SW - 30 (890-9242-9). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-9242-1
Project: East Loop 20" HP

Job ID: 890-9242-1 (Continued) Eurofins Carlsbad

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-127041/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 38 (890-9242-17). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-9242-A-17-B MS) and (890-9242-A-17-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 39 (890-9242-18). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 42 (890-9242-21). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW - 45 (890-9242-24) and SW - 47 (890-9242-26). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW - 46 (890-9242-25). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: SW - 50 (890-9242-29). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

General Chemistry
Method 9251 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-127045 and 880-127046 and analytical batch 880-127173 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 22

Lab Sample ID: 890-9242-1
Matrix: Solid
Date Collected: 12/17/25 09:30
Date Received: 12/17/25 16:16
Sample Depth: 0-18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00108	U	0.00108		mg/Kg		12/18/25 10:14	12/18/25 12:05	1
Toluene	<0.00108	U	0.00108		mg/Kg		12/18/25 10:14	12/18/25 12:05	1
Ethylbenzene	<0.00108	U	0.00108		mg/Kg		12/18/25 10:14	12/18/25 12:05	1
m-Xylene & p-Xylene	<0.00215	U	0.00215		mg/Kg		12/18/25 10:14	12/18/25 12:05	1
o-Xylene	<0.00108	U *+	0.00108		mg/Kg		12/18/25 10:14	12/18/25 12:05	1
Xylenes, Total	<0.00215	U	0.00215		mg/Kg		12/18/25 10:14	12/18/25 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*256*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 12:05*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*12/18/25 10:14*	*12/18/25 12:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00215	U	0.00215		mg/Kg			12/18/25 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 13:28	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	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 13:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/18/25 07:37*	*12/18/25 13:28*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/18/25 07:37*	*12/18/25 13:28*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**256**		20.2		mg/Kg			12/18/25 15:34	1

Client Sample ID: SW - 23

Lab Sample ID: 890-9242-2
Matrix: Solid
Date Collected: 12/17/25 09:35
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00123	U	0.00123		mg/Kg		12/18/25 10:14	12/18/25 12:25	1
Toluene	<0.00123	U	0.00123		mg/Kg		12/18/25 10:14	12/18/25 12:25	1
Ethylbenzene	<0.00123	U	0.00123		mg/Kg		12/18/25 10:14	12/18/25 12:25	1
m-Xylene & p-Xylene	<0.00246	U	0.00246		mg/Kg		12/18/25 10:14	12/18/25 12:25	1
o-Xylene	<0.00123	U *+	0.00123		mg/Kg		12/18/25 10:14	12/18/25 12:25	1
Xylenes, Total	<0.00246	U	0.00246		mg/Kg		12/18/25 10:14	12/18/25 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*343*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 12:25*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 23

Lab Sample ID: 890-9242-2
Matrix: Solid
Date Collected: 12/17/25 09:35
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*12/18/25 10:14*	*12/18/25 12:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00246	U	0.00246		mg/Kg			12/18/25 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 13:42	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	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 13:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 13:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/18/25 07:37*	*12/18/25 13:42*	*1*
o-Terphenyl	*91*		*70 - 130*	*12/18/25 07:37*	*12/18/25 13:42*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**20.0**	**F1**	19.9		mg/Kg			12/18/25 15:35	1

Client Sample ID: SW - 24

Lab Sample ID: 890-9242-3
Matrix: Solid
Date Collected: 12/17/25 09:40
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00114	U	0.00114		mg/Kg		12/18/25 10:14	12/18/25 12:46	1
Toluene	<0.00114	U	0.00114		mg/Kg		12/18/25 10:14	12/18/25 12:46	1
Ethylbenzene	<0.00114	U	0.00114		mg/Kg		12/18/25 10:14	12/18/25 12:46	1
m-Xylene & p-Xylene	<0.00229	U	0.00229		mg/Kg		12/18/25 10:14	12/18/25 12:46	1
o-Xylene	<0.00114	U *+	0.00114		mg/Kg		12/18/25 10:14	12/18/25 12:46	1
Xylenes, Total	<0.00229	U	0.00229		mg/Kg		12/18/25 10:14	12/18/25 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*340*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 12:46*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/18/25 10:14*	*12/18/25 12:46*	*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	0.00229		mg/Kg			12/18/25 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 13:57	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 24

Lab Sample ID: 890-9242-3
Matrix: Solid
Date Collected: 12/17/25 09:40
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 13:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 13:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/18/25 07:37*	*12/18/25 13:57*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/18/25 07:37*	*12/18/25 13:57*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<20.0	U	20.0		mg/Kg			12/18/25 15:37	1

Client Sample ID: SW - 25

Lab Sample ID: 890-9242-4
Matrix: Solid
Date Collected: 12/17/25 09:45
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00135	U	0.00135		mg/Kg		12/18/25 10:14	12/18/25 13:06	1
Toluene	<0.00135	U	0.00135		mg/Kg		12/18/25 10:14	12/18/25 13:06	1
Ethylbenzene	<0.00135	U	0.00135		mg/Kg		12/18/25 10:14	12/18/25 13:06	1
m-Xylene & p-Xylene	<0.00270	U	0.00270		mg/Kg		12/18/25 10:14	12/18/25 13:06	1
o-Xylene	<0.00135	U *+	0.00135		mg/Kg		12/18/25 10:14	12/18/25 13:06	1
Xylenes, Total	<0.00270	U	0.00270		mg/Kg		12/18/25 10:14	12/18/25 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*242*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 13:06*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*12/18/25 10:14*	*12/18/25 13:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00270	U	0.00270		mg/Kg			12/18/25 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/18/25 14:11	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	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 14:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 14:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/18/25 07:37*	*12/18/25 14:11*	*1*
o-Terphenyl	*97*		*70 - 130*	*12/18/25 07:37*	*12/18/25 14:11*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 25

Lab Sample ID: 890-9242-4
Matrix: Solid
Date Collected: 12/17/25 09:45
Date Received: 12/17/25 16:16
Sample Depth: 0-12

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	73.6		19.8		mg/Kg			12/18/25 15:37	1

Client Sample ID: SW - 26

Lab Sample ID: 890-9242-5
Matrix: Solid
Date Collected: 12/17/25 09:50
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00106	U	0.00106		mg/Kg		12/18/25 10:14	12/18/25 13:26	1
Toluene	<0.00106	U	0.00106		mg/Kg		12/18/25 10:14	12/18/25 13:26	1
Ethylbenzene	<0.00106	U	0.00106		mg/Kg		12/18/25 10:14	12/18/25 13:26	1
m-Xylene & p-Xylene	<0.00213	U	0.00213		mg/Kg		12/18/25 10:14	12/18/25 13:26	1
o-Xylene	<0.00106	U *+	0.00106		mg/Kg		12/18/25 10:14	12/18/25 13:26	1
Xylenes, Total	<0.00213	U	0.00213		mg/Kg		12/18/25 10:14	12/18/25 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*341*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 13:26*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/18/25 10:14*	*12/18/25 13:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00213	U	0.00213		mg/Kg			12/18/25 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 14:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 14:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/18/25 07:37*	*12/18/25 14:25*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/18/25 07:37*	*12/18/25 14:25*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	55.7		20.1		mg/Kg			12/18/25 15:39	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 27

Lab Sample ID: 890-9242-6
Matrix: Solid
Date Collected: 12/17/25 09:55
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00112	U	0.00112		mg/Kg		12/18/25 10:14	12/18/25 13:47	1
Toluene	<0.00112	U	0.00112		mg/Kg		12/18/25 10:14	12/18/25 13:47	1
Ethylbenzene	<0.00112	U	0.00112		mg/Kg		12/18/25 10:14	12/18/25 13:47	1
m-Xylene & p-Xylene	<0.00225	U	0.00225		mg/Kg		12/18/25 10:14	12/18/25 13:47	1
o-Xylene	<0.00112	U *+	0.00112		mg/Kg		12/18/25 10:14	12/18/25 13:47	1
Xylenes, Total	<0.00225	U	0.00225		mg/Kg		12/18/25 10:14	12/18/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*332*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 13:47*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/18/25 10:14*	*12/18/25 13:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00225	U	0.00225		mg/Kg			12/18/25 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 14:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/18/25 07:37*	*12/18/25 14:39*	*1*
o-Terphenyl	*92*		*70 - 130*	*12/18/25 07:37*	*12/18/25 14:39*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<19.8	U	19.8		mg/Kg			12/18/25 15:39	1

Client Sample ID: SW - 28

Lab Sample ID: 890-9242-7
Matrix: Solid
Date Collected: 12/17/25 10:00
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000851	U	0.000851		mg/Kg		12/18/25 10:14	12/18/25 14:07	1
Toluene	<0.000851	U	0.000851		mg/Kg		12/18/25 10:14	12/18/25 14:07	1
Ethylbenzene	<0.000851	U	0.000851		mg/Kg		12/18/25 10:14	12/18/25 14:07	1
m-Xylene & p-Xylene	<0.00170	U	0.00170		mg/Kg		12/18/25 10:14	12/18/25 14:07	1
o-Xylene	<0.000851	U *+	0.000851		mg/Kg		12/18/25 10:14	12/18/25 14:07	1
Xylenes, Total	<0.00170	U	0.00170		mg/Kg		12/18/25 10:14	12/18/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*306*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 14:07*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 28

Lab Sample ID: 890-9242-7
Matrix: Solid
Date Collected: 12/17/25 10:00
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/18/25 10:14*	*12/18/25 14:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00170	U	0.00170		mg/Kg			12/18/25 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 15:07	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	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 15:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*12/18/25 07:37*	*12/18/25 15:07*	*1*
o-Terphenyl	*122*		*70 - 130*	*12/18/25 07:37*	*12/18/25 15:07*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**55.8**		20.2		mg/Kg			12/18/25 15:40	1

Client Sample ID: SW - 29

Lab Sample ID: 890-9242-8
Matrix: Solid
Date Collected: 12/17/25 10:05
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00133	U	0.00133		mg/Kg		12/18/25 10:14	12/18/25 14:28	1
Toluene	<0.00133	U	0.00133		mg/Kg		12/18/25 10:14	12/18/25 14:28	1
Ethylbenzene	<0.00133	U	0.00133		mg/Kg		12/18/25 10:14	12/18/25 14:28	1
m-Xylene & p-Xylene	<0.00265	U	0.00265		mg/Kg		12/18/25 10:14	12/18/25 14:28	1
o-Xylene	<0.00133	U *+	0.00133		mg/Kg		12/18/25 10:14	12/18/25 14:28	1
Xylenes, Total	<0.00265	U	0.00265		mg/Kg		12/18/25 10:14	12/18/25 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*299*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 14:28*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*12/18/25 10:14*	*12/18/25 14:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00265	U	0.00265		mg/Kg			12/18/25 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 15:21	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 29

Lab Sample ID: 890-9242-8
Matrix: Solid
Date Collected: 12/17/25 10:05
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 15:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 15:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/18/25 07:37*	*12/18/25 15:21*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/18/25 07:37*	*12/18/25 15:21*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**56.3**		20.0		mg/Kg			12/18/25 15:40	1

Client Sample ID: SW - 30

Lab Sample ID: 890-9242-9
Matrix: Solid
Date Collected: 12/17/25 10:10
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00128	U	0.00128		mg/Kg		12/18/25 10:14	12/18/25 14:48	1
Toluene	<0.00128	U	0.00128		mg/Kg		12/18/25 10:14	12/18/25 14:48	1
Ethylbenzene	<0.00128	U	0.00128		mg/Kg		12/18/25 10:14	12/18/25 14:48	1
m-Xylene & p-Xylene	<0.00255	U	0.00255		mg/Kg		12/18/25 10:14	12/18/25 14:48	1
o-Xylene	<0.00128	U *+	0.00128		mg/Kg		12/18/25 10:14	12/18/25 14:48	1
Xylenes, Total	<0.00255	U	0.00255		mg/Kg		12/18/25 10:14	12/18/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*279*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 14:48*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*12/18/25 10:14*	*12/18/25 14:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00255	U	0.00255		mg/Kg			12/18/25 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 15:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 15:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*12/18/25 07:37*	*12/18/25 15:35*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*12/18/25 07:37*	*12/18/25 15:35*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 30

Lab Sample ID: 890-9242-9
Matrix: Solid
Date Collected: 12/17/25 10:10
Date Received: 12/17/25 16:16
Sample Depth: 0-12

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<20.0	U	20.0		mg/Kg			12/18/25 15:41	1

Client Sample ID: SW - 31

Lab Sample ID: 890-9242-10
Matrix: Solid
Date Collected: 12/17/25 10:15
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00107	U	0.00107		mg/Kg		12/18/25 10:14	12/18/25 16:22	1
Toluene	<0.00107	U	0.00107		mg/Kg		12/18/25 10:14	12/18/25 16:22	1
Ethylbenzene	<0.00107	U	0.00107		mg/Kg		12/18/25 10:14	12/18/25 16:22	1
m-Xylene & p-Xylene	<0.00214	U	0.00214		mg/Kg		12/18/25 10:14	12/18/25 16:22	1
o-Xylene	<0.00107	U *+	0.00107		mg/Kg		12/18/25 10:14	12/18/25 16:22	1
Xylenes, Total	<0.00214	U	0.00214		mg/Kg		12/18/25 10:14	12/18/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*308*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 16:22*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*12/18/25 10:14*	*12/18/25 16:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00214	U	0.00214		mg/Kg			12/18/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 15:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 15:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/18/25 07:37*	*12/18/25 15:49*	*1*
o-Terphenyl	*97*		*70 - 130*	*12/18/25 07:37*	*12/18/25 15:49*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**51.9**		20.2		mg/Kg			12/18/25 15:41	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 32

Lab Sample ID: 890-9242-11
Matrix: Solid
Date Collected: 12/17/25 10:20
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00102	U	0.00102		mg/Kg		12/18/25 10:14	12/18/25 16:43	1
Toluene	<0.00102	U	0.00102		mg/Kg		12/18/25 10:14	12/18/25 16:43	1
Ethylbenzene	<0.00102	U	0.00102		mg/Kg		12/18/25 10:14	12/18/25 16:43	1
m-Xylene & p-Xylene	<0.00204	U	0.00204		mg/Kg		12/18/25 10:14	12/18/25 16:43	1
o-Xylene	<0.00102	U *+	0.00102		mg/Kg		12/18/25 10:14	12/18/25 16:43	1
Xylenes, Total	<0.00204	U	0.00204		mg/Kg		12/18/25 10:14	12/18/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*316*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 16:43*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*12/18/25 10:14*	*12/18/25 16:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00204	U	0.00204		mg/Kg			12/18/25 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/18/25 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 16:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 16:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/18/25 07:37*	*12/18/25 16:03*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/18/25 07:37*	*12/18/25 16:03*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**65.0**		20.1		mg/Kg			12/18/25 15:42	1

Client Sample ID: SW - 33

Lab Sample ID: 890-9242-12
Matrix: Solid
Date Collected: 12/17/25 10:25
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 15:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 15:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 15:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/25 08:00	12/18/25 15:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 15:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/25 08:00	12/18/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/18/25 08:00*	*12/18/25 15:08*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 33

Lab Sample ID: 890-9242-12
Matrix: Solid
Date Collected: 12/17/25 10:25
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/18/25 08:00*	*12/18/25 15:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/18/25 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 16:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 16:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:37	12/18/25 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/18/25 07:37*	*12/18/25 16:18*	*1*
o-Terphenyl	*93*		*70 - 130*	*12/18/25 07:37*	*12/18/25 16:18*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**120**	**F1**	19.9		mg/Kg			12/18/25 15:45	1

Client Sample ID: SW - 34

Lab Sample ID: 890-9242-13
Matrix: Solid
Date Collected: 12/17/25 10:30
Date Received: 12/17/25 16:16
Sample Depth: 0-18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 15:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 15:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 15:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/25 08:00	12/18/25 15:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 15:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/25 08:00	12/18/25 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/18/25 08:00*	*12/18/25 15:29*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/18/25 08:00*	*12/18/25 15:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/18/25 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 16:32	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 34

Lab Sample ID: 890-9242-13
Matrix: Solid
Date Collected: 12/17/25 10:30
Date Received: 12/17/25 16:16
Sample Depth: 0-18

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	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 16:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/18/25 07:37*	*12/18/25 16:32*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/18/25 07:37*	*12/18/25 16:32*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**99.9**		20.0		mg/Kg			12/18/25 15:47	1

Client Sample ID: SW - 35

Lab Sample ID: 890-9242-14
Matrix: Solid
Date Collected: 12/17/25 10:35
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/25 08:00	12/18/25 15:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/25 08:00	12/18/25 15:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/25 08:00	12/18/25 15:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/25 08:00	12/18/25 15:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/25 08:00	12/18/25 15:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/25 08:00	12/18/25 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/18/25 08:00*	*12/18/25 15:49*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/18/25 08:00*	*12/18/25 15:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/25 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/18/25 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 16:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 16:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/18/25 07:37	12/18/25 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*12/18/25 07:37*	*12/18/25 16:46*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/18/25 07:37*	*12/18/25 16:46*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 35

Lab Sample ID: 890-9242-14
Matrix: Solid
Date Collected: 12/17/25 10:35
Date Received: 12/17/25 16:16
Sample Depth: 0-12

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<19.9	U	19.9		mg/Kg			12/18/25 15:47	1

Client Sample ID: SW - 36

Lab Sample ID: 890-9242-15
Matrix: Solid
Date Collected: 12/17/25 10:40
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00408**		0.00198		mg/Kg		12/18/25 08:00	12/18/25 16:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/25 08:00	12/18/25 16:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/25 08:00	12/18/25 16:10	1
m-Xylene & p-Xylene	**0.00627**		0.00396		mg/Kg		12/18/25 08:00	12/18/25 16:10	1
o-Xylene	**0.00330**		0.00198		mg/Kg		12/18/25 08:00	12/18/25 16:10	1
Xylenes, Total	**0.00957**		0.00396		mg/Kg		12/18/25 08:00	12/18/25 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*12/18/25 08:00*	*12/18/25 16:10*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/18/25 08:00*	*12/18/25 16:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0137**		0.00396		mg/Kg			12/18/25 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/18/25 07:37*	*12/18/25 17:00*	*1*
o-Terphenyl	*93*		*70 - 130*	*12/18/25 07:37*	*12/18/25 17:00*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<19.9	U	19.9		mg/Kg			12/18/25 15:48	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 37

Lab Sample ID: 890-9242-16
Matrix: Solid
Date Collected: 12/17/25 10:45
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 16:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/25 08:00	12/18/25 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 16:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/25 08:00	12/18/25 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/18/25 08:00*	*12/18/25 16:30*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/18/25 08:00*	*12/18/25 16:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/18/25 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/18/25 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	<50.1	U	50.1		mg/Kg		12/18/25 07:37	12/18/25 17:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/18/25 07:37	12/18/25 17:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/18/25 07:37	12/18/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/18/25 07:37*	*12/18/25 17:15*	*1*
o-Terphenyl	*97*		*70 - 130*	*12/18/25 07:37*	*12/18/25 17:15*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**64.9**		19.8		mg/Kg			12/18/25 15:48	1

Client Sample ID: SW - 38

Lab Sample ID: 890-9242-17
Matrix: Solid
Date Collected: 12/17/25 10:50
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00203**		0.00201		mg/Kg		12/18/25 08:00	12/18/25 16:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 16:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 16:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/25 08:00	12/18/25 16:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 16:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/25 08:00	12/18/25 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/18/25 08:00*	*12/18/25 16:51*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 38

Lab Sample ID: 890-9242-17
Matrix: Solid
Date Collected: 12/17/25 10:50
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/18/25 08:00*	*12/18/25 16:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/18/25 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 17:42	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	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 17:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 17:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 17:42*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 17:42*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**63.7**		20.0		mg/Kg			12/18/25 15:49	1

Client Sample ID: SW - 39

Lab Sample ID: 890-9242-18
Matrix: Solid
Date Collected: 12/17/25 10:55
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 17:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 17:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 17:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/25 08:00	12/18/25 17:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/25 08:00	12/18/25 17:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/25 08:00	12/18/25 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/18/25 08:00*	*12/18/25 17:11*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*12/18/25 08:00*	*12/18/25 17:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/18/25 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 18:27	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 39

Lab Sample ID: 890-9242-18
Matrix: Solid
Date Collected: 12/17/25 10:55
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 18:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 18:27*	*1*
o-Terphenyl	*129*		*70 - 130*	*12/18/25 07:41*	*12/18/25 18:27*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**48.2**		20.0		mg/Kg			12/18/25 15:49	1

Client Sample ID: SW - 40

Lab Sample ID: 890-9242-19
Matrix: Solid
Date Collected: 12/17/25 11:00
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/25 08:00	12/18/25 17:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/25 08:00	12/18/25 17:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/25 08:00	12/18/25 17:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/25 08:00	12/18/25 17:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/25 08:00	12/18/25 17:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/25 08:00	12/18/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/18/25 08:00*	*12/18/25 17:32*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/18/25 08:00*	*12/18/25 17:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/25 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 18:43	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	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 18:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 18:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*12/18/25 07:41*	*12/18/25 18:43*	*1*
o-Terphenyl	*123*		*70 - 130*	*12/18/25 07:41*	*12/18/25 18:43*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 40

Lab Sample ID: 890-9242-19
Matrix: Solid
Date Collected: 12/17/25 11:00
Date Received: 12/17/25 16:16
Sample Depth: 0-12

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**72.3**		20.2		mg/Kg			12/18/25 15:50	1

Client Sample ID: SW - 41

Lab Sample ID: 890-9242-20
Matrix: Solid
Date Collected: 12/17/25 11:05
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00203**		0.00200		mg/Kg		12/18/25 08:00	12/18/25 17:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 17:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 08:00	12/18/25 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 17:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 08:00	12/18/25 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/18/25 08:00*	*12/18/25 17:52*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/18/25 08:00*	*12/18/25 17:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/18/25 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 18:58	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	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 18:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 18:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*12/18/25 07:41*	*12/18/25 18:58*	*1*
o-Terphenyl	*119*		*70 - 130*	*12/18/25 07:41*	*12/18/25 18:58*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<20.1	U	20.1		mg/Kg			12/18/25 15:51	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 42

Lab Sample ID: 890-9242-21
Matrix: Solid
Date Collected: 12/17/25 11:10
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/18/25 08:00	12/18/25 18:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/25 08:00	12/18/25 18:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/25 08:00	12/18/25 18:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/25 08:00	12/18/25 18:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/25 08:00	12/18/25 18:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/25 08:00	12/18/25 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/18/25 08:00*	*12/18/25 18:13*	*1*
1,4-Difluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*12/18/25 08:00*	*12/18/25 18:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/18/25 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/18/25 19:13	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	<50.1	U	50.1		mg/Kg		12/18/25 07:41	12/18/25 19:13	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/18/25 07:41	12/18/25 19:13	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/18/25 07:41	12/18/25 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 19:13*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 19:13*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<19.8	U	19.8		mg/Kg			12/18/25 15:52	1

Client Sample ID: SW - 43

Lab Sample ID: 890-9242-22
Matrix: Solid
Date Collected: 12/17/25 11:15
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 11:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/18/25 08:00	12/18/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 11:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/18/25 08:00	12/18/25 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*12/18/25 08:00*	*12/18/25 11:28*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 43

Lab Sample ID: 890-9242-22
Matrix: Solid
Date Collected: 12/17/25 11:15
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*12/18/25 08:00*	*12/18/25 11:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/18/25 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/18/25 19:27	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	<50.1	U	50.1		mg/Kg		12/18/25 07:41	12/18/25 19:27	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/18/25 07:41	12/18/25 19:27	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/18/25 07:41	12/18/25 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*12/18/25 07:41*	*12/18/25 19:27*	*1*
o-Terphenyl	*130*		*70 - 130*	*12/18/25 07:41*	*12/18/25 19:27*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<19.9	U F1	19.9		mg/Kg			12/18/25 15:52	1

Client Sample ID: SW - 44

Lab Sample ID: 890-9242-23
Matrix: Solid
Date Collected: 12/17/25 11:20
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 11:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 11:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 11:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/25 09:53	12/18/25 11:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 11:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/25 09:53	12/18/25 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*12/18/25 09:53*	*12/18/25 11:48*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*12/18/25 09:53*	*12/18/25 11:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/25 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 19:42	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 44

Lab Sample ID: 890-9242-23
Matrix: Solid
Date Collected: 12/17/25 11:20
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 19:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 19:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*12/18/25 07:41*	*12/18/25 19:42*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/18/25 07:41*	*12/18/25 19:42*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	<20.2	U	20.2		mg/Kg			12/18/25 15:54	1

Client Sample ID: SW - 45

Lab Sample ID: 890-9242-24
Matrix: Solid
Date Collected: 12/17/25 11:25
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 12:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 12:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 12:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/25 09:53	12/18/25 12:09	1
o-Xylene	**0.00265**		0.00200		mg/Kg		12/18/25 09:53	12/18/25 12:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/25 09:53	12/18/25 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*12/18/25 09:53*	*12/18/25 12:09*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*12/18/25 09:53*	*12/18/25 12:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/18/25 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 19:57*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/18/25 07:41*	*12/18/25 19:57*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 45

Lab Sample ID: 890-9242-24
Matrix: Solid
Date Collected: 12/17/25 11:25
Date Received: 12/17/25 16:16
Sample Depth: 0-12

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	48.1		20.0		mg/Kg			12/18/25 15:54	1

Client Sample ID: SW - 46

Lab Sample ID: 890-9242-25
Matrix: Solid
Date Collected: 12/17/25 11:30
Date Received: 12/17/25 16:16
Sample Depth: 0-12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/25 09:53	12/18/25 12:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/25 09:53	12/18/25 12:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/25 09:53	12/18/25 12:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/25 09:53	12/18/25 12:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/25 09:53	12/18/25 12:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/25 09:53	12/18/25 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/18/25 09:53*	*12/18/25 12:29*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/18/25 09:53*	*12/18/25 12:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/18/25 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/18/25 20:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/18/25 07:41	12/18/25 20:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/18/25 07:41	12/18/25 20:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/18/25 07:41	12/18/25 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 20:12*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 20:12*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	41.5		19.9		mg/Kg			12/18/25 15:55	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 47

Date Collected: 12/17/25 11:35
Date Received: 12/17/25 16:16
Sample Depth: 0-14

Lab Sample ID: 890-9242-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 12:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 12:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 12:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 09:53	12/18/25 12:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 12:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 09:53	12/18/25 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*12/18/25 09:53*	*12/18/25 12:50*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*12/18/25 09:53*	*12/18/25 12:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/18/25 12:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 20:27	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	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 20:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 20:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 20:27*	*1*
o-Terphenyl	*125*		*70 - 130*	*12/18/25 07:41*	*12/18/25 20:27*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**43.9**		19.8		mg/Kg			12/18/25 15:55	1

Client Sample ID: SW - 48

Date Collected: 12/17/25 11:40
Date Received: 12/17/25 16:16
Sample Depth: 0-14

Lab Sample ID: 890-9242-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/18/25 09:53	12/18/25 13:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/25 09:53	12/18/25 13:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/25 09:53	12/18/25 13:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/18/25 09:53	12/18/25 13:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/25 09:53	12/18/25 13:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/18/25 09:53	12/18/25 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*12/18/25 09:53*	*12/18/25 13:10*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 48

Lab Sample ID: 890-9242-27
Matrix: Solid
Date Collected: 12/17/25 11:40
Date Received: 12/17/25 16:16
Sample Depth: 0-14

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*12/18/25 09:53*	*12/18/25 13:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/18/25 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 20:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 20:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/18/25 07:41*	*12/18/25 20:57*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/18/25 07:41*	*12/18/25 20:57*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**41.5**		19.8		mg/Kg			12/18/25 15:56	1

Client Sample ID: SW - 49

Lab Sample ID: 890-9242-28
Matrix: Solid
Date Collected: 12/17/25 11:45
Date Received: 12/17/25 16:16
Sample Depth: 0-14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 13:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 13:31	1
Ethylbenzene	**0.00254**		0.00199		mg/Kg		12/18/25 09:53	12/18/25 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/25 09:53	12/18/25 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/25 09:53	12/18/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*12/18/25 09:53*	*12/18/25 13:31*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/18/25 09:53*	*12/18/25 13:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/25 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/18/25 21:12	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 49

Lab Sample ID: 890-9242-28
Matrix: Solid
Date Collected: 12/17/25 11:45
Date Received: 12/17/25 16:16
Sample Depth: 0-14

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	<49.8	U	49.8		mg/Kg		12/18/25 07:41	12/18/25 21:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/18/25 07:41	12/18/25 21:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/18/25 07:41	12/18/25 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*12/18/25 07:41*	*12/18/25 21:12*	*1*
o-Terphenyl	*121*		*70 - 130*	*12/18/25 07:41*	*12/18/25 21:12*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	**46.5**		20.0		mg/Kg			12/18/25 15:57	1

Client Sample ID: SW - 50

Lab Sample ID: 890-9242-29
Matrix: Solid
Date Collected: 12/17/25 11:50
Date Received: 12/17/25 16:16
Sample Depth: 0-14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/25 09:53	12/18/25 13:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/25 09:53	12/18/25 13:51	1
o-Xylene	**0.00289**		0.00199		mg/Kg		12/18/25 09:53	12/18/25 13:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/25 09:53	12/18/25 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*12/18/25 09:53*	*12/18/25 13:51*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/18/25 09:53*	*12/18/25 13:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/18/25 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/18/25 21:28	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	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 21:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 21:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/18/25 07:41	12/18/25 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 21:28*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*12/18/25 07:41*	*12/18/25 21:28*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 50

Lab Sample ID: 890-9242-29
Matrix: Solid
Date Collected: 12/17/25 11:50
Date Received: 12/17/25 16:16
Sample Depth: 0-14

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	40.8		20.0		mg/Kg			12/18/25 15:57	1

Client Sample ID: SW - 51

Lab Sample ID: 890-9242-30
Matrix: Solid
Date Collected: 12/17/25 11:55
Date Received: 12/17/25 16:16
Sample Depth: 0-14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 14:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 14:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 14:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/25 09:53	12/18/25 14:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 09:53	12/18/25 14:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/25 09:53	12/18/25 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*12/18/25 09:53*	*12/18/25 14:12*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/18/25 09:53*	*12/18/25 14:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/18/25 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/18/25 21:42	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	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 21:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 21:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:41	12/18/25 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/18/25 07:41*	*12/18/25 21:42*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/18/25 07:41*	*12/18/25 21:42*	*1*

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride (SW846 9251)	44.3		19.9		mg/Kg			12/18/25 15:58	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9242-1	SW - 22	256 S1+	81
890-9242-2	SW - 23	343 S1+	111
890-9242-3	SW - 24	340 S1+	102
890-9242-4	SW - 25	242 S1+	70
890-9242-5	SW - 26	341 S1+	97
890-9242-6	SW - 27	332 S1+	92
890-9242-7	SW - 28	306 S1+	92
890-9242-8	SW - 29	299 S1+	82
890-9242-9	SW - 30	279 S1+	72
890-9242-10	SW - 31	308 S1+	87
890-9242-11	SW - 32	316 S1+	88
890-9242-12	SW - 33	108	101
890-9242-13	SW - 34	115	102
890-9242-14	SW - 35	108	99
890-9242-15	SW - 36	90	96
890-9242-16	SW - 37	115	97
890-9242-17	SW - 38	107	102
890-9242-18	SW - 39	106	98
890-9242-19	SW - 40	110	91
890-9242-20	SW - 41	106	94
890-9242-21	SW - 42	107	154 S1+
890-9242-22	SW - 43	142 S1+	119
890-9242-22 MS	SW - 43	108	87
890-9242-22 MSD	SW - 43	117	110
890-9242-23	SW - 44	122	113
890-9242-24	SW - 45	128	115
890-9242-25	SW - 46	113	107
890-9242-26	SW - 47	135 S1+	111
890-9242-27	SW - 48	134 S1+	112
890-9242-28	SW - 49	131 S1+	106
890-9242-29	SW - 50	138 S1+	114
890-9242-30	SW - 51	132 S1+	105
LCS 880-126857/1-A	Lab Control Sample	102	106
LCS 880-127063/1-A	Lab Control Sample	112	101
LCS 880-127065/1-A	Lab Control Sample	232 S1+	81
LCSD 880-126857/2-A	Lab Control Sample Dup	102	106
LCSD 880-127063/2-A	Lab Control Sample Dup	97	96
LCSD 880-127065/2-A	Lab Control Sample Dup	253 S1+	77
MB 880-126857/5-A	Method Blank	105	93
MB 880-127063/5-A	Method Blank	155 S1+	93
MB 880-127065/5-A	Method Blank	292 S1+	76

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9242-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-9242-1	SW - 22	96	96
890-9242-2	SW - 23	90	91
890-9242-3	SW - 24	92	96
890-9242-4	SW - 25	93	97
890-9242-5	SW - 26	88	89
890-9242-6	SW - 27	90	92
890-9242-7	SW - 28	118	122
890-9242-8	SW - 29	90	90
890-9242-9	SW - 30	137 S1+	135 S1+
890-9242-10	SW - 31	93	97
890-9242-11	SW - 32	97	98
890-9242-12	SW - 33	89	93
890-9242-13	SW - 34	92	96
890-9242-14	SW - 35	99	95
890-9242-15	SW - 36	92	93
890-9242-16	SW - 37	94	97
890-9242-17	SW - 38	132 S1+	145 S1+
890-9242-17 MS	SW - 38	125	136 S1+
890-9242-17 MSD	SW - 38	128	131 S1+
890-9242-18	SW - 39	135 S1+	129
890-9242-19	SW - 40	128	123
890-9242-20	SW - 41	116	119
890-9242-21	SW - 42	131 S1+	135 S1+
890-9242-22	SW - 43	125	130
890-9242-23	SW - 44	128	125
890-9242-24	SW - 45	132 S1+	125
890-9242-25	SW - 46	136 S1+	141 S1+
890-9242-26	SW - 47	134 S1+	125
890-9242-27	SW - 48	124	115
890-9242-28	SW - 49	125	121
890-9242-29	SW - 50	131 S1+	133 S1+
890-9242-30	SW - 51	124	118
LCS 880-127040/2-A	Lab Control Sample	106	94
LCS 880-127041/2-A	Lab Control Sample	123	123
LCSD 880-127040/3-A	Lab Control Sample Dup	109	97
LCSD 880-127041/3-A	Lab Control Sample Dup	122	119
MB 880-127040/1-A	Method Blank	107	102
MB 880-127041/1-A	Method Blank	137 S1+	135 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126857/5-A
Matrix: Solid
Analysis Batch: 127050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 126857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/25 13:07	12/18/25 10:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/25 13:07	12/18/25 10:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/25 13:07	12/18/25 10:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/25 13:07	12/18/25 10:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/25 13:07	12/18/25 10:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/25 13:07	12/18/25 10:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/16/25 13:07*	*12/18/25 10:09*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/16/25 13:07*	*12/18/25 10:09*	*1*

Lab Sample ID: LCS 880-126857/1-A
Matrix: Solid
Analysis Batch: 127050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 126857

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1077		mg/Kg		108	70 - 130
Toluene	0.100	0.09369		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09651		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1872		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09468		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-126857/2-A
Matrix: Solid
Analysis Batch: 127050

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 126857

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1091		mg/Kg		109	70 - 130	1	35
Toluene	0.100	0.09537		mg/Kg		95	70 - 130	2	35
Ethylbenzene	0.100	0.09987		mg/Kg		100	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1899		mg/Kg		95	70 - 130	1	35
o-Xylene	0.100	0.09415		mg/Kg		94	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-127063/5-A
Matrix: Solid
Analysis Batch: 127054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 10:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 10:59	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-127063/5-A
Matrix: Solid
Analysis Batch: 127054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 10:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 08:00	12/18/25 10:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 08:00	12/18/25 10:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 08:00	12/18/25 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*12/18/25 08:00*	*12/18/25 10:59*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/18/25 08:00*	*12/18/25 10:59*	*1*

Lab Sample ID: LCS 880-127063/1-A
Matrix: Solid
Analysis Batch: 127054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127063

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1088		mg/Kg		109	70 - 130		
Toluene			0.100	0.1010		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1188		mg/Kg		119	70 - 130		
m-Xylene & p-Xylene			0.200	0.2419		mg/Kg		121	70 - 130		
o-Xylene			0.100	0.1187		mg/Kg		119	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-127063/2-A
Matrix: Solid
Analysis Batch: 127054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127063

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1001		mg/Kg		100	70 - 130	8	35
Toluene			0.100	0.1008		mg/Kg		101	70 - 130	0	35
Ethylbenzene			0.100	0.1080		mg/Kg		108	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2136		mg/Kg		107	70 - 130	12	35
o-Xylene			0.100	0.1039		mg/Kg		104	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-9242-22 MS
Matrix: Solid
Analysis Batch: 127054

Client Sample ID: SW - 43
Prep Type: Total/NA
Prep Batch: 127063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09237		mg/Kg		92	70 - 130		
Toluene	<0.00200	U	0.100	0.09642		mg/Kg		96	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1110		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2103		mg/Kg		105	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9242-22 MS
Matrix: Solid
Analysis Batch: 127054

Client Sample ID: SW - 43
Prep Type: Total/NA
Prep Batch: 127063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.100	0.1064		mg/Kg		106	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-9242-22 MSD
Matrix: Solid
Analysis Batch: 127054

Client Sample ID: SW - 43
Prep Type: Total/NA
Prep Batch: 127063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1114		mg/Kg		111	70 - 130	19	35
Toluene	<0.00200	U	0.100	0.1074		mg/Kg		107	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.100	0.1162		mg/Kg		116	70 - 130	5	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2353		mg/Kg		118	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.1122		mg/Kg		112	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-127065/5-A
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 10:14	12/18/25 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 10:14	12/18/25 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*292*	*S1+*	*70 - 130*	*12/18/25 10:14*	*12/18/25 11:23*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*12/18/25 10:14*	*12/18/25 11:23*	*1*

Lab Sample ID: LCS 880-127065/1-A
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1002		mg/Kg		100	70 - 130
Toluene	0.100	0.1108		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1085		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2259		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1163		mg/Kg		116	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-127065/1-A
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127065

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	232	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: LCSD 880-127065/2-A
Matrix: Solid
Analysis Batch: 127051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127065

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1118		mg/Kg		112	70 - 130	11	35
Toluene			0.100	0.1247		mg/Kg		125	70 - 130	12	35
Ethylbenzene			0.100	0.1237		mg/Kg		124	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.2565		mg/Kg		128	70 - 130	13	35
o-Xylene			0.100	0.1321	*+	mg/Kg		132	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	253	S1+	70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

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

Lab Sample ID: MB 880-127040/1-A
Matrix: Solid
Analysis Batch: 127081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127040

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 10:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 10:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:37	12/18/25 10:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/18/25 07:37	12/18/25 10:35	1
o-Terphenyl	102		70 - 130	12/18/25 07:37	12/18/25 10:35	1

Lab Sample ID: LCS 880-127040/2-A
Matrix: Solid
Analysis Batch: 127081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127040

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	851.9		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	997.8		mg/Kg		100	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	94		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-127040/3-A
Matrix: Solid
Analysis Batch: 127081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127040

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	855.5		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1048		mg/Kg		105	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: MB 880-127041/1-A
Matrix: Solid
Analysis Batch: 127139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 127041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/18/25 07:40	12/18/25 14:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/18/25 07:40	12/18/25 14:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/18/25 07:40	12/18/25 14:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*12/18/25 07:40*	*12/18/25 14:02*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*12/18/25 07:40*	*12/18/25 14:02*	*1*

Lab Sample ID: LCS 880-127041/2-A
Matrix: Solid
Analysis Batch: 127139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 127041

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	986.8		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1106		mg/Kg		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: LCSD 880-127041/3-A
Matrix: Solid
Analysis Batch: 127139

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127041

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	994.5		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1051		mg/Kg		105	70 - 130	5	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-127041/3-A
Matrix: Solid
Analysis Batch: 127139

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 127041

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 890-9242-17 MS
Matrix: Solid
Analysis Batch: 127139

Client Sample ID: SW - 38
Prep Type: Total/NA
Prep Batch: 127041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	926.8		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1080		mg/Kg		108	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: 890-9242-17 MSD
Matrix: Solid
Analysis Batch: 127139

Client Sample ID: SW - 38
Prep Type: Total/NA
Prep Batch: 127041

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	859.1		mg/Kg		86	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1089		mg/Kg		109	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	131	S1+	70 - 130

Method: 9251 - Chloride

Lab Sample ID: MB 880-127045/1-A
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride	<20.0	U	20.0		mg/Kg			12/18/25 15:42	1

Lab Sample ID: MB 880-127046/1-A
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chloride	<20.0	U	20.0		mg/Kg			12/18/25 15:26	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Method: 9251 - Chloride (Continued)

Lab Sample ID: LCS 880-127045/2-A
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Chloride	80.0	83.45		mg/Kg		104	85 - 115

Lab Sample ID: LCS 880-127046/2-A
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Chloride	80.0	80.31		mg/Kg		100	85 - 115

Lab Sample ID: LCSD 880-127045/3-A
Matrix: Solid
Analysis Batch: 127173

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
Total Chloride	80.0	81.45		mg/Kg		102	85 - 115	2	15

Lab Sample ID: LCSD 880-127046/3-A
Matrix: Solid
Analysis Batch: 127173

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
Total Chloride	80.0	80.90		mg/Kg		101	85 - 115	1	15

Lab Sample ID: 890-9242-2 MS
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: SW - 23
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Chloride	20.0	F1	79.5	123.2	F1	mg/Kg		130	85 - 115

Lab Sample ID: 890-9242-2 MSD
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: SW - 23
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Chloride	20.0	F1	79.5	119.0	F1	mg/Kg		125	85 - 115	3	15

Lab Sample ID: 890-9242-12 MS
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: SW - 33
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Chloride	120	F1	79.7	216.0	F1	mg/Kg		120	85 - 115

Lab Sample ID: 890-9242-12 MSD
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: SW - 33
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Chloride	120	F1	79.7	212.3		mg/Kg		115	85 - 115	2	15

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Method: 9251 - Chloride

Lab Sample ID: 890-9242-22 MS
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: SW - 43
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Chloride	<19.9	U F1	80.0	121.8	F1	mg/Kg		133	85 - 115		

Lab Sample ID: 890-9242-22 MSD
Matrix: Solid
Analysis Batch: 127173

Client Sample ID: SW - 43
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Chloride	<19.9	U F1	80.0	135.9	F1	mg/Kg		150	85 - 115	11	15

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

GC VOA

Prep Batch: 126857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-12	SW - 33	Total/NA	Solid	5035	
890-9242-13	SW - 34	Total/NA	Solid	5035	
890-9242-14	SW - 35	Total/NA	Solid	5035	
890-9242-15	SW - 36	Total/NA	Solid	5035	
890-9242-16	SW - 37	Total/NA	Solid	5035	
890-9242-17	SW - 38	Total/NA	Solid	5035	
890-9242-18	SW - 39	Total/NA	Solid	5035	
890-9242-19	SW - 40	Total/NA	Solid	5035	
890-9242-20	SW - 41	Total/NA	Solid	5035	
890-9242-21	SW - 42	Total/NA	Solid	5035	
MB 880-126857/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126857/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126857/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 127050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-12	SW - 33	Total/NA	Solid	8021B	126857
890-9242-13	SW - 34	Total/NA	Solid	8021B	126857
890-9242-14	SW - 35	Total/NA	Solid	8021B	126857
890-9242-15	SW - 36	Total/NA	Solid	8021B	126857
890-9242-16	SW - 37	Total/NA	Solid	8021B	126857
890-9242-17	SW - 38	Total/NA	Solid	8021B	126857
890-9242-18	SW - 39	Total/NA	Solid	8021B	126857
890-9242-19	SW - 40	Total/NA	Solid	8021B	126857
890-9242-20	SW - 41	Total/NA	Solid	8021B	126857
890-9242-21	SW - 42	Total/NA	Solid	8021B	126857
MB 880-126857/5-A	Method Blank	Total/NA	Solid	8021B	126857
LCS 880-126857/1-A	Lab Control Sample	Total/NA	Solid	8021B	126857
LCSD 880-126857/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126857

Analysis Batch: 127051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-1	SW - 22	Total/NA	Solid	8021B	127065
890-9242-2	SW - 23	Total/NA	Solid	8021B	127065
890-9242-3	SW - 24	Total/NA	Solid	8021B	127065
890-9242-4	SW - 25	Total/NA	Solid	8021B	127065
890-9242-5	SW - 26	Total/NA	Solid	8021B	127065
890-9242-6	SW - 27	Total/NA	Solid	8021B	127065
890-9242-7	SW - 28	Total/NA	Solid	8021B	127065
890-9242-8	SW - 29	Total/NA	Solid	8021B	127065
890-9242-9	SW - 30	Total/NA	Solid	8021B	127065
890-9242-10	SW - 31	Total/NA	Solid	8021B	127065
890-9242-11	SW - 32	Total/NA	Solid	8021B	127065
MB 880-127065/5-A	Method Blank	Total/NA	Solid	8021B	127065
LCS 880-127065/1-A	Lab Control Sample	Total/NA	Solid	8021B	127065
LCSD 880-127065/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127065

Analysis Batch: 127054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-22	SW - 43	Total/NA	Solid	8021B	127063
890-9242-23	SW - 44	Total/NA	Solid	8021B	127063

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 127054 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-24	SW - 45	Total/NA	Solid	8021B	127063
890-9242-25	SW - 46	Total/NA	Solid	8021B	127063
890-9242-26	SW - 47	Total/NA	Solid	8021B	127063
890-9242-27	SW - 48	Total/NA	Solid	8021B	127063
890-9242-28	SW - 49	Total/NA	Solid	8021B	127063
890-9242-29	SW - 50	Total/NA	Solid	8021B	127063
890-9242-30	SW - 51	Total/NA	Solid	8021B	127063
MB 880-127063/5-A	Method Blank	Total/NA	Solid	8021B	127063
LCS 880-127063/1-A	Lab Control Sample	Total/NA	Solid	8021B	127063
LCSD 880-127063/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127063
890-9242-22 MS	SW - 43	Total/NA	Solid	8021B	127063
890-9242-22 MSD	SW - 43	Total/NA	Solid	8021B	127063

Prep Batch: 127063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-22	SW - 43	Total/NA	Solid	5035	
890-9242-23	SW - 44	Total/NA	Solid	5035	
890-9242-24	SW - 45	Total/NA	Solid	5035	
890-9242-25	SW - 46	Total/NA	Solid	5035	
890-9242-26	SW - 47	Total/NA	Solid	5035	
890-9242-27	SW - 48	Total/NA	Solid	5035	
890-9242-28	SW - 49	Total/NA	Solid	5035	
890-9242-29	SW - 50	Total/NA	Solid	5035	
890-9242-30	SW - 51	Total/NA	Solid	5035	
MB 880-127063/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127063/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127063/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9242-22 MS	SW - 43	Total/NA	Solid	5035	
890-9242-22 MSD	SW - 43	Total/NA	Solid	5035	

Prep Batch: 127065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-1	SW - 22	Total/NA	Solid	5035	
890-9242-2	SW - 23	Total/NA	Solid	5035	
890-9242-3	SW - 24	Total/NA	Solid	5035	
890-9242-4	SW - 25	Total/NA	Solid	5035	
890-9242-5	SW - 26	Total/NA	Solid	5035	
890-9242-6	SW - 27	Total/NA	Solid	5035	
890-9242-7	SW - 28	Total/NA	Solid	5035	
890-9242-8	SW - 29	Total/NA	Solid	5035	
890-9242-9	SW - 30	Total/NA	Solid	5035	
890-9242-10	SW - 31	Total/NA	Solid	5035	
890-9242-11	SW - 32	Total/NA	Solid	5035	
MB 880-127065/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127065/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127065/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 127167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-1	SW - 22	Total/NA	Solid	Total BTEX	
890-9242-2	SW - 23	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 127167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-3	SW - 24	Total/NA	Solid	Total BTEX	
890-9242-4	SW - 25	Total/NA	Solid	Total BTEX	
890-9242-5	SW - 26	Total/NA	Solid	Total BTEX	
890-9242-6	SW - 27	Total/NA	Solid	Total BTEX	
890-9242-7	SW - 28	Total/NA	Solid	Total BTEX	
890-9242-8	SW - 29	Total/NA	Solid	Total BTEX	
890-9242-9	SW - 30	Total/NA	Solid	Total BTEX	
890-9242-10	SW - 31	Total/NA	Solid	Total BTEX	
890-9242-11	SW - 32	Total/NA	Solid	Total BTEX	
890-9242-12	SW - 33	Total/NA	Solid	Total BTEX	
890-9242-13	SW - 34	Total/NA	Solid	Total BTEX	
890-9242-14	SW - 35	Total/NA	Solid	Total BTEX	
890-9242-15	SW - 36	Total/NA	Solid	Total BTEX	
890-9242-16	SW - 37	Total/NA	Solid	Total BTEX	
890-9242-17	SW - 38	Total/NA	Solid	Total BTEX	
890-9242-18	SW - 39	Total/NA	Solid	Total BTEX	
890-9242-19	SW - 40	Total/NA	Solid	Total BTEX	
890-9242-20	SW - 41	Total/NA	Solid	Total BTEX	
890-9242-21	SW - 42	Total/NA	Solid	Total BTEX	
890-9242-22	SW - 43	Total/NA	Solid	Total BTEX	
890-9242-23	SW - 44	Total/NA	Solid	Total BTEX	
890-9242-24	SW - 45	Total/NA	Solid	Total BTEX	
890-9242-25	SW - 46	Total/NA	Solid	Total BTEX	
890-9242-26	SW - 47	Total/NA	Solid	Total BTEX	
890-9242-27	SW - 48	Total/NA	Solid	Total BTEX	
890-9242-28	SW - 49	Total/NA	Solid	Total BTEX	
890-9242-29	SW - 50	Total/NA	Solid	Total BTEX	
890-9242-30	SW - 51	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 127040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-1	SW - 22	Total/NA	Solid	8015NM Prep	
890-9242-2	SW - 23	Total/NA	Solid	8015NM Prep	
890-9242-3	SW - 24	Total/NA	Solid	8015NM Prep	
890-9242-4	SW - 25	Total/NA	Solid	8015NM Prep	
890-9242-5	SW - 26	Total/NA	Solid	8015NM Prep	
890-9242-6	SW - 27	Total/NA	Solid	8015NM Prep	
890-9242-7	SW - 28	Total/NA	Solid	8015NM Prep	
890-9242-8	SW - 29	Total/NA	Solid	8015NM Prep	
890-9242-9	SW - 30	Total/NA	Solid	8015NM Prep	
890-9242-10	SW - 31	Total/NA	Solid	8015NM Prep	
890-9242-11	SW - 32	Total/NA	Solid	8015NM Prep	
890-9242-12	SW - 33	Total/NA	Solid	8015NM Prep	
890-9242-13	SW - 34	Total/NA	Solid	8015NM Prep	
890-9242-14	SW - 35	Total/NA	Solid	8015NM Prep	
890-9242-15	SW - 36	Total/NA	Solid	8015NM Prep	
890-9242-16	SW - 37	Total/NA	Solid	8015NM Prep	
MB 880-127040/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127040/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 127040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-127040/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 127041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-17	SW - 38	Total/NA	Solid	8015NM Prep	
890-9242-18	SW - 39	Total/NA	Solid	8015NM Prep	
890-9242-19	SW - 40	Total/NA	Solid	8015NM Prep	
890-9242-20	SW - 41	Total/NA	Solid	8015NM Prep	
890-9242-21	SW - 42	Total/NA	Solid	8015NM Prep	
890-9242-22	SW - 43	Total/NA	Solid	8015NM Prep	
890-9242-23	SW - 44	Total/NA	Solid	8015NM Prep	
890-9242-24	SW - 45	Total/NA	Solid	8015NM Prep	
890-9242-25	SW - 46	Total/NA	Solid	8015NM Prep	
890-9242-26	SW - 47	Total/NA	Solid	8015NM Prep	
890-9242-27	SW - 48	Total/NA	Solid	8015NM Prep	
890-9242-28	SW - 49	Total/NA	Solid	8015NM Prep	
890-9242-29	SW - 50	Total/NA	Solid	8015NM Prep	
890-9242-30	SW - 51	Total/NA	Solid	8015NM Prep	
MB 880-127041/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127041/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-127041/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9242-17 MS	SW - 38	Total/NA	Solid	8015NM Prep	
890-9242-17 MSD	SW - 38	Total/NA	Solid	8015NM Prep	

Analysis Batch: 127081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-1	SW - 22	Total/NA	Solid	8015B NM	127040
890-9242-2	SW - 23	Total/NA	Solid	8015B NM	127040
890-9242-3	SW - 24	Total/NA	Solid	8015B NM	127040
890-9242-4	SW - 25	Total/NA	Solid	8015B NM	127040
890-9242-5	SW - 26	Total/NA	Solid	8015B NM	127040
890-9242-6	SW - 27	Total/NA	Solid	8015B NM	127040
890-9242-7	SW - 28	Total/NA	Solid	8015B NM	127040
890-9242-8	SW - 29	Total/NA	Solid	8015B NM	127040
890-9242-9	SW - 30	Total/NA	Solid	8015B NM	127040
890-9242-10	SW - 31	Total/NA	Solid	8015B NM	127040
890-9242-11	SW - 32	Total/NA	Solid	8015B NM	127040
890-9242-12	SW - 33	Total/NA	Solid	8015B NM	127040
890-9242-13	SW - 34	Total/NA	Solid	8015B NM	127040
890-9242-14	SW - 35	Total/NA	Solid	8015B NM	127040
890-9242-15	SW - 36	Total/NA	Solid	8015B NM	127040
890-9242-16	SW - 37	Total/NA	Solid	8015B NM	127040
MB 880-127040/1-A	Method Blank	Total/NA	Solid	8015B NM	127040
LCS 880-127040/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127040
LCSD 880-127040/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127040

Analysis Batch: 127139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-17	SW - 38	Total/NA	Solid	8015B NM	127041
890-9242-18	SW - 39	Total/NA	Solid	8015B NM	127041
890-9242-19	SW - 40	Total/NA	Solid	8015B NM	127041

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 127139 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-20	SW - 41	Total/NA	Solid	8015B NM	127041
890-9242-21	SW - 42	Total/NA	Solid	8015B NM	127041
890-9242-22	SW - 43	Total/NA	Solid	8015B NM	127041
890-9242-23	SW - 44	Total/NA	Solid	8015B NM	127041
890-9242-24	SW - 45	Total/NA	Solid	8015B NM	127041
890-9242-25	SW - 46	Total/NA	Solid	8015B NM	127041
890-9242-26	SW - 47	Total/NA	Solid	8015B NM	127041
890-9242-27	SW - 48	Total/NA	Solid	8015B NM	127041
890-9242-28	SW - 49	Total/NA	Solid	8015B NM	127041
890-9242-29	SW - 50	Total/NA	Solid	8015B NM	127041
890-9242-30	SW - 51	Total/NA	Solid	8015B NM	127041
MB 880-127041/1-A	Method Blank	Total/NA	Solid	8015B NM	127041
LCS 880-127041/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127041
LCSD 880-127041/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127041
890-9242-17 MS	SW - 38	Total/NA	Solid	8015B NM	127041
890-9242-17 MSD	SW - 38	Total/NA	Solid	8015B NM	127041

Analysis Batch: 127174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-1	SW - 22	Total/NA	Solid	8015 NM	
890-9242-2	SW - 23	Total/NA	Solid	8015 NM	
890-9242-3	SW - 24	Total/NA	Solid	8015 NM	
890-9242-4	SW - 25	Total/NA	Solid	8015 NM	
890-9242-5	SW - 26	Total/NA	Solid	8015 NM	
890-9242-6	SW - 27	Total/NA	Solid	8015 NM	
890-9242-7	SW - 28	Total/NA	Solid	8015 NM	
890-9242-8	SW - 29	Total/NA	Solid	8015 NM	
890-9242-9	SW - 30	Total/NA	Solid	8015 NM	
890-9242-10	SW - 31	Total/NA	Solid	8015 NM	
890-9242-11	SW - 32	Total/NA	Solid	8015 NM	
890-9242-12	SW - 33	Total/NA	Solid	8015 NM	
890-9242-13	SW - 34	Total/NA	Solid	8015 NM	
890-9242-14	SW - 35	Total/NA	Solid	8015 NM	
890-9242-15	SW - 36	Total/NA	Solid	8015 NM	
890-9242-16	SW - 37	Total/NA	Solid	8015 NM	
890-9242-17	SW - 38	Total/NA	Solid	8015 NM	
890-9242-18	SW - 39	Total/NA	Solid	8015 NM	
890-9242-19	SW - 40	Total/NA	Solid	8015 NM	
890-9242-20	SW - 41	Total/NA	Solid	8015 NM	
890-9242-21	SW - 42	Total/NA	Solid	8015 NM	
890-9242-22	SW - 43	Total/NA	Solid	8015 NM	
890-9242-23	SW - 44	Total/NA	Solid	8015 NM	
890-9242-24	SW - 45	Total/NA	Solid	8015 NM	
890-9242-25	SW - 46	Total/NA	Solid	8015 NM	
890-9242-26	SW - 47	Total/NA	Solid	8015 NM	
890-9242-27	SW - 48	Total/NA	Solid	8015 NM	
890-9242-28	SW - 49	Total/NA	Solid	8015 NM	
890-9242-29	SW - 50	Total/NA	Solid	8015 NM	
890-9242-30	SW - 51	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

General Chemistry

Leach Batch: 127045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-1	SW - 22	Soluble	Solid	DI Leach	
890-9242-2	SW - 23	Soluble	Solid	DI Leach	
890-9242-3	SW - 24	Soluble	Solid	DI Leach	
890-9242-4	SW - 25	Soluble	Solid	DI Leach	
890-9242-5	SW - 26	Soluble	Solid	DI Leach	
890-9242-6	SW - 27	Soluble	Solid	DI Leach	
890-9242-7	SW - 28	Soluble	Solid	DI Leach	
890-9242-8	SW - 29	Soluble	Solid	DI Leach	
890-9242-9	SW - 30	Soluble	Solid	DI Leach	
890-9242-10	SW - 31	Soluble	Solid	DI Leach	
890-9242-11	SW - 32	Soluble	Solid	DI Leach	
MB 880-127045/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127045/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127045/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9242-2 MS	SW - 23	Soluble	Solid	DI Leach	
890-9242-2 MSD	SW - 23	Soluble	Solid	DI Leach	

Leach Batch: 127046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-12	SW - 33	Soluble	Solid	DI Leach	
890-9242-13	SW - 34	Soluble	Solid	DI Leach	
890-9242-14	SW - 35	Soluble	Solid	DI Leach	
890-9242-15	SW - 36	Soluble	Solid	DI Leach	
890-9242-16	SW - 37	Soluble	Solid	DI Leach	
890-9242-17	SW - 38	Soluble	Solid	DI Leach	
890-9242-18	SW - 39	Soluble	Solid	DI Leach	
890-9242-19	SW - 40	Soluble	Solid	DI Leach	
890-9242-20	SW - 41	Soluble	Solid	DI Leach	
890-9242-21	SW - 42	Soluble	Solid	DI Leach	
890-9242-22	SW - 43	Soluble	Solid	DI Leach	
890-9242-23	SW - 44	Soluble	Solid	DI Leach	
890-9242-24	SW - 45	Soluble	Solid	DI Leach	
890-9242-25	SW - 46	Soluble	Solid	DI Leach	
890-9242-26	SW - 47	Soluble	Solid	DI Leach	
890-9242-27	SW - 48	Soluble	Solid	DI Leach	
890-9242-28	SW - 49	Soluble	Solid	DI Leach	
890-9242-29	SW - 50	Soluble	Solid	DI Leach	
890-9242-30	SW - 51	Soluble	Solid	DI Leach	
MB 880-127046/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127046/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127046/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9242-12 MS	SW - 33	Soluble	Solid	DI Leach	
890-9242-12 MSD	SW - 33	Soluble	Solid	DI Leach	
890-9242-22 MS	SW - 43	Soluble	Solid	DI Leach	
890-9242-22 MSD	SW - 43	Soluble	Solid	DI Leach	

Analysis Batch: 127173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-1	SW - 22	Soluble	Solid	9251	127045
890-9242-2	SW - 23	Soluble	Solid	9251	127045
890-9242-3	SW - 24	Soluble	Solid	9251	127045

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

General Chemistry (Continued)

Analysis Batch: 127173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9242-4	SW - 25	Soluble	Solid	9251	127045
890-9242-5	SW - 26	Soluble	Solid	9251	127045
890-9242-6	SW - 27	Soluble	Solid	9251	127045
890-9242-7	SW - 28	Soluble	Solid	9251	127045
890-9242-8	SW - 29	Soluble	Solid	9251	127045
890-9242-9	SW - 30	Soluble	Solid	9251	127045
890-9242-10	SW - 31	Soluble	Solid	9251	127045
890-9242-11	SW - 32	Soluble	Solid	9251	127045
890-9242-12	SW - 33	Soluble	Solid	9251	127046
890-9242-13	SW - 34	Soluble	Solid	9251	127046
890-9242-14	SW - 35	Soluble	Solid	9251	127046
890-9242-15	SW - 36	Soluble	Solid	9251	127046
890-9242-16	SW - 37	Soluble	Solid	9251	127046
890-9242-17	SW - 38	Soluble	Solid	9251	127046
890-9242-18	SW - 39	Soluble	Solid	9251	127046
890-9242-19	SW - 40	Soluble	Solid	9251	127046
890-9242-20	SW - 41	Soluble	Solid	9251	127046
890-9242-21	SW - 42	Soluble	Solid	9251	127046
890-9242-22	SW - 43	Soluble	Solid	9251	127046
890-9242-23	SW - 44	Soluble	Solid	9251	127046
890-9242-24	SW - 45	Soluble	Solid	9251	127046
890-9242-25	SW - 46	Soluble	Solid	9251	127046
890-9242-26	SW - 47	Soluble	Solid	9251	127046
890-9242-27	SW - 48	Soluble	Solid	9251	127046
890-9242-28	SW - 49	Soluble	Solid	9251	127046
890-9242-29	SW - 50	Soluble	Solid	9251	127046
890-9242-30	SW - 51	Soluble	Solid	9251	127046
MB 880-127045/1-A	Method Blank	Soluble	Solid	9251	127045
MB 880-127046/1-A	Method Blank	Soluble	Solid	9251	127046
LCS 880-127045/2-A	Lab Control Sample	Soluble	Solid	9251	127045
LCS 880-127046/2-A	Lab Control Sample	Soluble	Solid	9251	127046
LCSD 880-127045/3-A	Lab Control Sample Dup	Soluble	Solid	9251	127045
LCSD 880-127046/3-A	Lab Control Sample Dup	Soluble	Solid	9251	127046
890-9242-2 MS	SW - 23	Soluble	Solid	9251	127045
890-9242-2 MSD	SW - 23	Soluble	Solid	9251	127045
890-9242-12 MS	SW - 33	Soluble	Solid	9251	127046
890-9242-12 MSD	SW - 33	Soluble	Solid	9251	127046
890-9242-22 MS	SW - 43	Soluble	Solid	9251	127046
890-9242-22 MSD	SW - 43	Soluble	Solid	9251	127046

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 22
Date Collected: 12/17/25 09:30
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.29 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 12:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 12:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 13:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 13:28	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:34	CS	EET MID

Client Sample ID: SW - 23
Date Collected: 12/17/25 09:35
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.14 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 12:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 13:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 13:42	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:35	CS	EET MID

Client Sample ID: SW - 24
Date Collected: 12/17/25 09:40
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.74 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 12:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 13:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 13:57	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:37	CS	EET MID

Client Sample ID: SW - 25
Date Collected: 12/17/25 09:45
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.4 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 13:06	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 25

Date Collected: 12/17/25 09:45
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			127174	12/18/25 14:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 14:11	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:37	CS	EET MID

Client Sample ID: SW - 26

Date Collected: 12/17/25 09:50
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.39 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 13:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 14:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 14:25	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:39	CS	EET MID

Client Sample ID: SW - 27

Date Collected: 12/17/25 09:55
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.9 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 13:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 14:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 14:39	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:39	CS	EET MID

Client Sample ID: SW - 28

Date Collected: 12/17/25 10:00
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.75 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 14:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 15:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 15:07	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 28
Date Collected: 12/17/25 10:00
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:40	CS	EET MID

Client Sample ID: SW - 29
Date Collected: 12/17/25 10:05
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.54 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 14:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 15:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 15:21	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:40	CS	EET MID

Client Sample ID: SW - 30
Date Collected: 12/17/25 10:10
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.84 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 14:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 15:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 15:35	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:41	CS	EET MID

Client Sample ID: SW - 31
Date Collected: 12/17/25 10:15
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.36 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 16:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 15:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 15:49	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:41	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 32
Date Collected: 12/17/25 10:20
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.79 g	5 mL	127065	12/18/25 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127051	12/18/25 16:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 16:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 16:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 16:03	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	10 mL	127045	12/18/25 08:02	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:42	CS	EET MID

Client Sample ID: SW - 33
Date Collected: 12/17/25 10:25
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 15:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 16:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 16:18	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:45	CS	EET MID

Client Sample ID: SW - 34
Date Collected: 12/17/25 10:30
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 15:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 16:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 16:32	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:47	CS	EET MID

Client Sample ID: SW - 35
Date Collected: 12/17/25 10:35
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 15:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 15:49	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 35
Date Collected: 12/17/25 10:35
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			127174	12/18/25 16:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 16:46	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:47	CS	EET MID

Client Sample ID: SW - 36
Date Collected: 12/17/25 10:40
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 16:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 16:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 17:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 17:00	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:48	CS	EET MID

Client Sample ID: SW - 37
Date Collected: 12/17/25 10:45
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 16:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 16:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 17:15	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	127040	12/18/25 07:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127081	12/18/25 17:15	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:48	CS	EET MID

Client Sample ID: SW - 38
Date Collected: 12/17/25 10:50
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 16:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 17:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 17:42	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 38
Date Collected: 12/17/25 10:50
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:49	CS	EET MID

Client Sample ID: SW - 39
Date Collected: 12/17/25 10:55
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 17:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 18:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 18:27	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:49	CS	EET MID

Client Sample ID: SW - 40
Date Collected: 12/17/25 11:00
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 17:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 18:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 18:43	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:50	CS	EET MID

Client Sample ID: SW - 41
Date Collected: 12/17/25 11:05
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 17:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 18:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 18:58	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:51	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 42
Date Collected: 12/17/25 11:10
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126857	12/18/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127050	12/18/25 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 18:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 19:13	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 19:13	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:52	CS	EET MID

Client Sample ID: SW - 43
Date Collected: 12/17/25 11:15
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	127063	12/18/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 11:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 11:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 19:27	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 19:27	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:52	CS	EET MID

Client Sample ID: SW - 44
Date Collected: 12/17/25 11:20
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	127063	12/18/25 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 11:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 19:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 19:42	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:54	CS	EET MID

Client Sample ID: SW - 45
Date Collected: 12/17/25 11:25
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	127063	12/18/25 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 12:09	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-9242-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Client Sample ID: SW - 45
Lab Sample ID: 890-9242-24
Date Collected: 12/17/25 11:25
Matrix: Solid
Date Received: 12/17/25 16:16

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			127174	12/18/25 19:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 19:57	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:54	CS	EET MID

Client Sample ID: SW - 46
Lab Sample ID: 890-9242-25
Date Collected: 12/17/25 11:30
Matrix: Solid
Date Received: 12/17/25 16:16

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	127063	12/18/25 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 12:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 20:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 20:12	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:55	CS	EET MID

Client Sample ID: SW - 47
Lab Sample ID: 890-9242-26
Date Collected: 12/17/25 11:35
Matrix: Solid
Date Received: 12/17/25 16:16

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	127063	12/18/25 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 12:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 20:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 20:27	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:55	CS	EET MID

Client Sample ID: SW - 48
Lab Sample ID: 890-9242-27
Date Collected: 12/17/25 11:40
Matrix: Solid
Date Received: 12/17/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	127063	12/18/25 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 13:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 20:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 20:57	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Client Sample ID: SW - 48
Date Collected: 12/17/25 11:40
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:56	CS	EET MID

Client Sample ID: SW - 49
Date Collected: 12/17/25 11:45
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	127063	12/18/25 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 13:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 21:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 21:12	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:57	CS	EET MID

Client Sample ID: SW - 50
Date Collected: 12/17/25 11:50
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	127063	12/18/25 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 13:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 21:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 21:28	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:57	CS	EET MID

Client Sample ID: SW - 51
Date Collected: 12/17/25 11:55
Date Received: 12/17/25 16:16

Lab Sample ID: 890-9242-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	127063	12/18/25 09:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127054	12/18/25 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127167	12/18/25 14:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			127174	12/18/25 21:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127041	12/18/25 07:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127139	12/18/25 21:42	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	10 mL	127046	12/18/25 08:05	CS	EET MID
Soluble	Analysis	9251		1	10 mL	10 mL	127173	12/18/25 15:58	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-9242-1
Project/Site: East Loop 20" HP
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
9251	Chloride	SW846	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

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: Earth Systems Response and Restoration
Project/Site: East Loop 20" HP

Job ID: 890-9242-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9242-1	SW - 22	Solid	12/17/25 09:30	12/17/25 16:16	0-18
890-9242-2	SW - 23	Solid	12/17/25 09:35	12/17/25 16:16	0-12
890-9242-3	SW - 24	Solid	12/17/25 09:40	12/17/25 16:16	0-12
890-9242-4	SW - 25	Solid	12/17/25 09:45	12/17/25 16:16	0-12
890-9242-5	SW - 26	Solid	12/17/25 09:50	12/17/25 16:16	0-12
890-9242-6	SW - 27	Solid	12/17/25 09:55	12/17/25 16:16	0-12
890-9242-7	SW - 28	Solid	12/17/25 10:00	12/17/25 16:16	0-12
890-9242-8	SW - 29	Solid	12/17/25 10:05	12/17/25 16:16	0-12
890-9242-9	SW - 30	Solid	12/17/25 10:10	12/17/25 16:16	0-12
890-9242-10	SW - 31	Solid	12/17/25 10:15	12/17/25 16:16	0-12
890-9242-11	SW - 32	Solid	12/17/25 10:20	12/17/25 16:16	0-12
890-9242-12	SW - 33	Solid	12/17/25 10:25	12/17/25 16:16	0-12
890-9242-13	SW - 34	Solid	12/17/25 10:30	12/17/25 16:16	0-18
890-9242-14	SW - 35	Solid	12/17/25 10:35	12/17/25 16:16	0-12
890-9242-15	SW - 36	Solid	12/17/25 10:40	12/17/25 16:16	0-12
890-9242-16	SW - 37	Solid	12/17/25 10:45	12/17/25 16:16	0-12
890-9242-17	SW - 38	Solid	12/17/25 10:50	12/17/25 16:16	0-12
890-9242-18	SW - 39	Solid	12/17/25 10:55	12/17/25 16:16	0-12
890-9242-19	SW - 40	Solid	12/17/25 11:00	12/17/25 16:16	0-12
890-9242-20	SW - 41	Solid	12/17/25 11:05	12/17/25 16:16	0-12
890-9242-21	SW - 42	Solid	12/17/25 11:10	12/17/25 16:16	0-12
890-9242-22	SW - 43	Solid	12/17/25 11:15	12/17/25 16:16	0-12
890-9242-23	SW - 44	Solid	12/17/25 11:20	12/17/25 16:16	0-12
890-9242-24	SW - 45	Solid	12/17/25 11:25	12/17/25 16:16	0-12
890-9242-25	SW - 46	Solid	12/17/25 11:30	12/17/25 16:16	0-12
890-9242-26	SW - 47	Solid	12/17/25 11:35	12/17/25 16:16	0-14
890-9242-27	SW - 48	Solid	12/17/25 11:40	12/17/25 16:16	0-14
890-9242-28	SW - 49	Solid	12/17/25 11:45	12/17/25 16:16	0-14
890-9242-29	SW - 50	Solid	12/17/25 11:50	12/17/25 16:16	0-14
890-9242-30	SW - 51	Solid	12/17/25 11:55	12/17/25 16:16	0-14

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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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

Work Order No: _____

www.xenco.com Page 1 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNMoo
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-4.2
Total Containers:		Corrected Temperature:	-4.0

890-9242 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
SW-22	S	12.17.25	9:30	0-18	Comp	1		X	X	X		X	Incident Number
SW-23	S	12.17.25	9:35	0-12	Comp	1		X	X	X		X	nAPP2528933921
SW-24	S	12.17.25	9:40	0-12	Comp	1		X	X	X		X	
SW-25	S	12.17.25	9:45	0-12	Comp	1		X	X	X		X	
SW-26	S	12.17.25	9:50	0-12	Comp	1		X	X	X		X	
SW-27	S	12.17.25	9:55	0-12	Comp	1		X	X	X		X	
SW-28	S	12.17.25	10:00	0-12	Comp	1		X	X	X		X	
SW-29	S	12.17.25	10:05	0-12	Comp	1		X	X	X		X	
SW-30	S	12.17.25	10:10	0-12	Comp	1		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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		12/17 16/16	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 3/9/2026 2:25:29 PM
Received by OCD: 1/17/2026 12:00:22 AM

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Work Order No: _____

www.xenco.com Page 2 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	Turn Around	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TAMAC
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-4.2
Total Containers:		Corrected Temperature:	-4.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	Pres. Code	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
SW-31	S	12.17.25	10:15	0-12	Comp		1	X	X	X		X	Incident Number
SW-32	S	12.17.25	10:20	0-12	Comp		1	X	X	X		X	nAPP2528933921
SW-33	S	12.17.25	10:25	0-18	Comp		1	X	X	X		X	
SW-34	S	12.17.25	10:30	0-12	Comp		1	X	X	X		X	
SW-35	S	12.17.25	10:35	0-12	Comp		1	X	X	X		X	
SW-36	S	12.17.25	10:40	0-12	Comp		1	X	X	X		X	
SW-37	S	12.17.25	10:45	0-12	Comp		1	X	X	X		X	
SW-38	S	12.17.25	10:50	0-12	Comp		1	X	X	X		X	
SW-39	S	12.17.25	10:55	0-12	Comp		1	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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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0		12/17 16:16	2		
3			4		
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Work Order No: _____

www.xenco.com Page 3 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TWM001
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-1.2
Total Containers:		Corrected Temperature:	-1.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
SW-40	S	12.17.25	11:00	0-12	Comp	1	X	X	X		X	Incident Number
SW-41	S	12.17.25	11:05	0-12	Comp	1	X	X	X		X	nAPP2528933921
SW-42	S	12.17.25	11:10	0-12	Comp	1	X	X	X		X	
SW-43	S	12.17.25	11:15	0-12	Comp	1	X	X	X		X	
SW-44	S	12.17.25	11:20	0-14	Comp	1	X	X	X		X	
SW-45	S	12.17.25	11:25	0-14	Comp	1	X	X	X		X	
SW-46	S	12.17.25	11:30	0-14	Comp	1	X	X	X		X	
SW-47	S	12.17.25	11:35	0-14	Comp	1	X	X	X		X	
SW-48	S	12.17.25	11:40	0-14	Comp	1	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 SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

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1	2	12/17 1616	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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www.xenco.com Page 4 of 4

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Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net, sgiron@earthsys.net

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	East Loop 20" HP	**Turn Around**	
Project Number:	7576	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24 Hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TW002
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-4.2
Total Containers:		Corrected Temperature:	-4.0

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
SW-49	S	12.17.25	11:45	0-14	Comp	1	X	X	X		X	Incident Number
SW-50	S	12.17.25	11:50	0-14	Comp	1	X	X	X		X	nAPP2528933921
SW-51	S	12.17.25	11:55	0-14	Comp	1	X	X	X		X	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
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0		12/17/16 16	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9242-1
SDG Number: Lea County, NM

Login Number: 9242
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9242-1
SDG Number: Lea County, NM

Login Number: 9242
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 12/18/25 08:28 AM

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	

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 543821

QUESTIONS

Operator: MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	OGRID: 329252
	Action Number: 543821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2528933921**
Incident Name	**NAPP2528933921 EAST LOOP 20" HP @ FAPP2125136221**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2125136221] Permian Natural Gas Gathering System**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	EAST LOOP 20" HP
Date Release Discovered	10/14/2025
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Other | Pipeline (Any) | Produced Water | Released: 1,200 BBL | Recovered: 586 BBL | Lost: 614 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Line strike during HDD.

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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 (continued)

Operator: MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	OGRID: 329252
	Action Number: 543821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

Initial Response	
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	Further excavation work needed to ensure all free liquids and recoverable material are removed and managed appropriately.

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: Michael Tyler Title: Environmental Specialist Email: mgtyler@marathonpetroleum.com Date: 01/16/2026

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Phone: (505) 476-3441

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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 (continued)

Operator: MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	OGRID: 329252
	Action Number: 543821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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
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.		
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)	8750
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		12/04/2025
On what date will (or did) the final sampling or liner inspection occur		12/17/2025
On what date will (or was) the remediation complete(d)		01/12/2026
What is the estimated surface area (in square feet) that will be reclaimed		9000
What is the estimated volume (in cubic yards) that will be reclaimed		2952
What is the estimated surface area (in square feet) that will be remediated		9000
What is the estimated volume (in cubic yards) that will be remediated		2952
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.		

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General Information
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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 (continued)

Operator: MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	OGRID: 329252
	Action Number: 543821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fJEG1635837366 OWL LANDFILL JAL
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: Michael Tyler Title: Environmental Specialist Email: mgtyler@marathonpetroleum.com Date: 01/16/2026
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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QUESTIONS (continued)

Operator: MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	OGRID: 329252
	Action Number: 543821
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QUESTIONS

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

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QUESTIONS (continued)

Operator: MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	OGRID: 329252
	Action Number: 543821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**534550**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/19/2025**
What was the (estimated) number of samples that were to be gathered	**20**
What was the sampling surface area in square feet	**3000**

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	9000
What was the total volume (cubic yards) remediated	2952
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	9000
What was the total volume (in cubic yards) reclaimed	2952
Summarize any additional remediation activities not included by answers (above)	Site was remediated according to the Site Closure Criteria and the Reclamation Standard and has been backfilled with clean, locally sourced material. Reseeding is expected in early February.

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

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

I hereby agree and sign off to the above statement	Name: Michael Tyler Title: Environmental Specialist Email: mgtyler@marathonpetroleum.com Date: 01/16/2026

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QUESTIONS (continued)

Operator:	OGRID:
MarkWest Energy West Texas Gas Company, L.L.C 1515 Arapahoe Street Denver, CO 80202	329252
	Action Number: 543821
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/9/2026