November 12, 2025

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

RE: **Ross Draw Unit #043 - Closure Request Report**
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°
Eddy County, New Mexico
ESRR Project No. VP-422

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of WPX Energy Permian (WPX), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling events associated with an inadvertent release of produced water at Ross Draw Unit #043 (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, WPX is requesting No Further Action (NFA) at the Site.

Site Location

The Site is located in Unit I, Section 22, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0269012°, -103.8626175°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1**).

Incident Description & Background

On May 14, 2025, a 1-inch nipple on a wellhead broke at the threads, causing the release of approximately 50 barrels (bbl) of produced water and 3 bbls of crude oil onto the well pad and adjacent native soils. A vacuum truck was immediately dispatched to the Site and recovered 42 bbl of fluids. ESRR conducted initial site assessment activities and mapped the observed release footprint on May 16, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). WPX gave notice to the New Mexico Oil Conservation Division (NMOCD) on May 15, 2025, by Notification of Release (NOR) and was subsequently assigned Incident Number nAPP2513556445. A Corrective Action Form C-141 (Form C-141) was submitted on May 20, 2025.

On May 22, 2025, Earth Systems Response & Restoration (ESRR) placed oil absorbent booms in native areas approved by the BLM to help mitigate impacts.

On June 5 and 6, 2025, Devon oversaw a third-party contractor perform initial excavation efforts on pad to mitigate further impacts to native areas.

ESRR, on behalf of WPX consulted with their approved qualified biologist as well as an archaeologist from Boone Archaeological Resource Consultants, LLC (Boone) for an assessment evaluation related to biological and cultural aspects. A botanical survey for special status plant species with potential to occur

in the area [i.e., *Coryphantha robustispina ssp. scheeri* (*Sheer's beehive cactus*)] yielded negative findings. No species of concern were observed within 100 meters of the proposed work area. The cultural report was submitted to the BLM by Boone on June 13, 2025. WPX submitted a Sundry Request Form on July 2, 2025, which was then approved by the BLM on July 7, 2025.

On August 11, 2025, WPX requested an extension of the August 12, 2025 deadline, to allow additional time for continued remediation activities and to allow ESRR to complete this CRR. WPX was granted a 90-day extension by the NMOCD for November 10, 2025.

On November 7, 2025, WPX requested an additional extension of the November 10, 2025 deadline, to allow additional time for WPX to submit this CRR. WPX was granted a 7-day extension by the NMOCD for November 17, 2025.

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 and 5 miles 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;
- Overlying an unstable area (i.e. Critical, High, or Medium Karst Potential); and
- Between 1 and 5 miles of a 100-year floodplain.

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

Based on the results from the desktop review, the Site is designated with medium karst potential with no depth to water wells within ½ mile with logged data no greater than 25 years old. 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 + Diesel Range Organics + Oil Range Organics
Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Delineation Activities

During June 2025, ESRR conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Thirty-five delineation boreholes (HA-1 through HA-35) were advanced via hand auger within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. A minimum of two soil samples were collected from each delineation borehole, representing the highest observed field screening concentrations and 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-5 and HA-23 through HA-35) 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-1 through HA-4 and HA-6 through HA-22) indicated that Total TPH and/or Chloride were above the Site Closure Criteria and/or the reclamation standard up to 4 feet below ground surface (bgs). Elevated Total TPH concentrations were characterized by concentrations ranging from 103 mg/kg to 12,300 mg/kg, specifically for TPH-DRO and/or TPH-GRO. Elevated Chloride concentrations were characterized by concentrations ranging from 638 mg/kg to 23,600 mg/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 September 19 through October 8, 2025, Devon oversaw a third-party contractor perform excavation activities of identified soil impacts via mechanical equipment based on laboratory analytical results associated with delineation soil sampling activities and visual observation. The excavation was vertically advanced to depths approximately ranging from 2 to 6 feet bgs.

Following the removal of soil, ESRR collected five-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1A through CS-124A and CS-1B through CS-28B) and sidewalls (SW-1A through SW-18A, and SW-1B through SW-35B). The five-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-quart resealable plastic bag. The confirmation soil samples were handled, transported, and analyzed as previously described.

Laboratory analytical results for confirmation soil samples (CS-68A, CS-69A and CS-105A) indicated that Chloride concentrations were above the applicable Site Closure Criteria and/or the reclamation standard. Elevated chloride was characterized by concentrations ranging from 677 to 1,270 mg/kg at depths ranging from 2 to 4-feet bgs.

Additional excavation in the proximity to confirmation soil samples (CS-68A, CS-69A and CS-105A) were vertically advanced to depths ranging from 3 to 6 feet bgs. Following the removal of soil, ESRR collected, handled, transported, and analyzed the final confirmation soil samples as previously described.

Laboratory analytical results indicated that the concentration 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 3**.

Approximately 5,004 cubic yards (CY) of impacted soil was removed from the Site and transported to R360-Red Bluff near Orla, Texas under Devon 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.

Closure Request

Based on laboratory analytical results, impacts associated with the inadvertent release have been delineated, excavated, and removed from the Site in accordance with Site Closure Criteria. WPX 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 WPX respectfully requests Closure of this CRR associated with Incident Number nAPP2513556445.

If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or gmoreno@earthsys.net. **Email 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: Jim Raley, WPX Energy Permian
Bureau of Land Management

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

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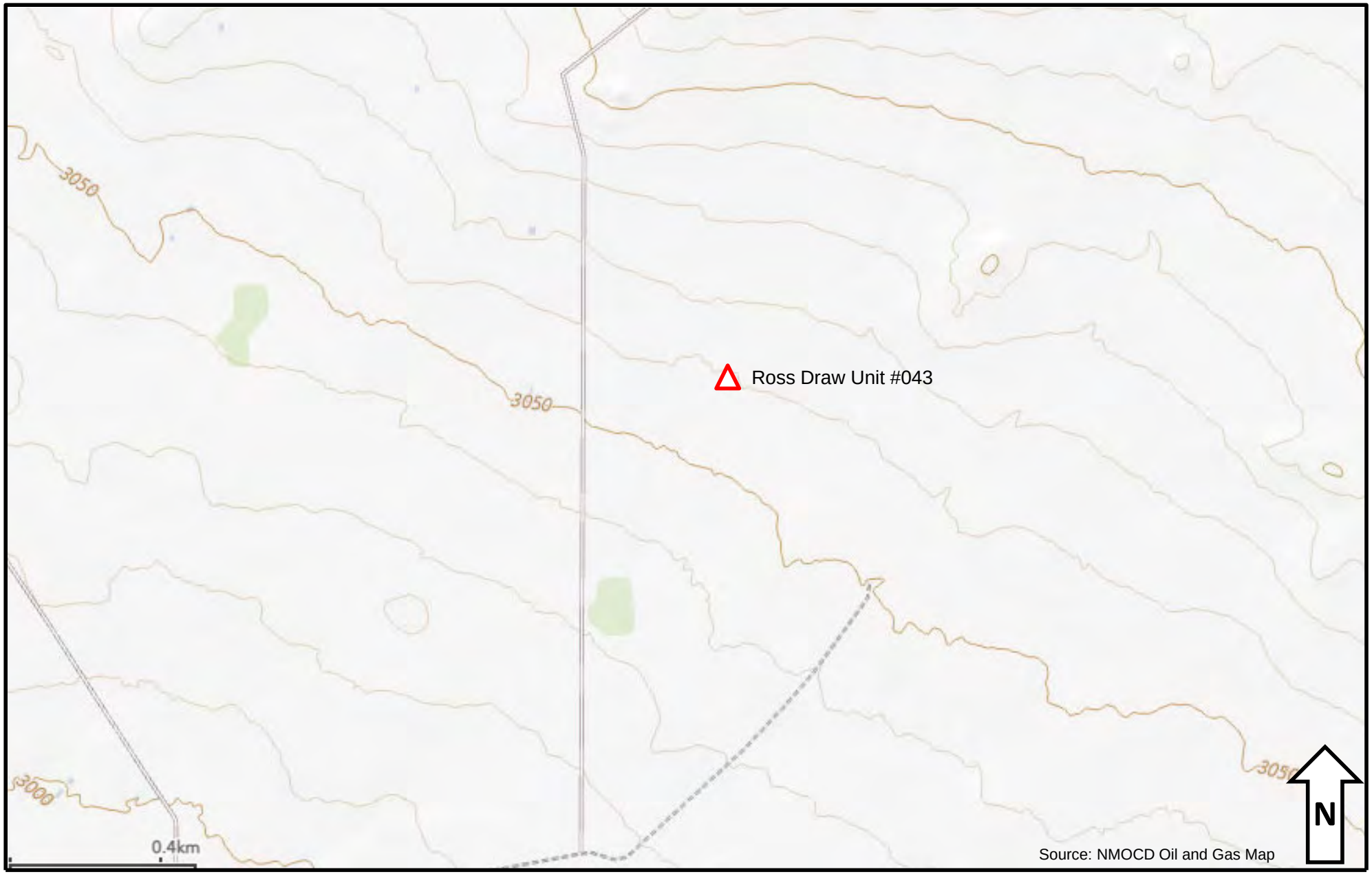

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Figure 1 – Site Map

WPX Energy Permian – Ross Draw Unit #043
GPS: 32.026837°, -103.862578°
Eddy County, New Mexico

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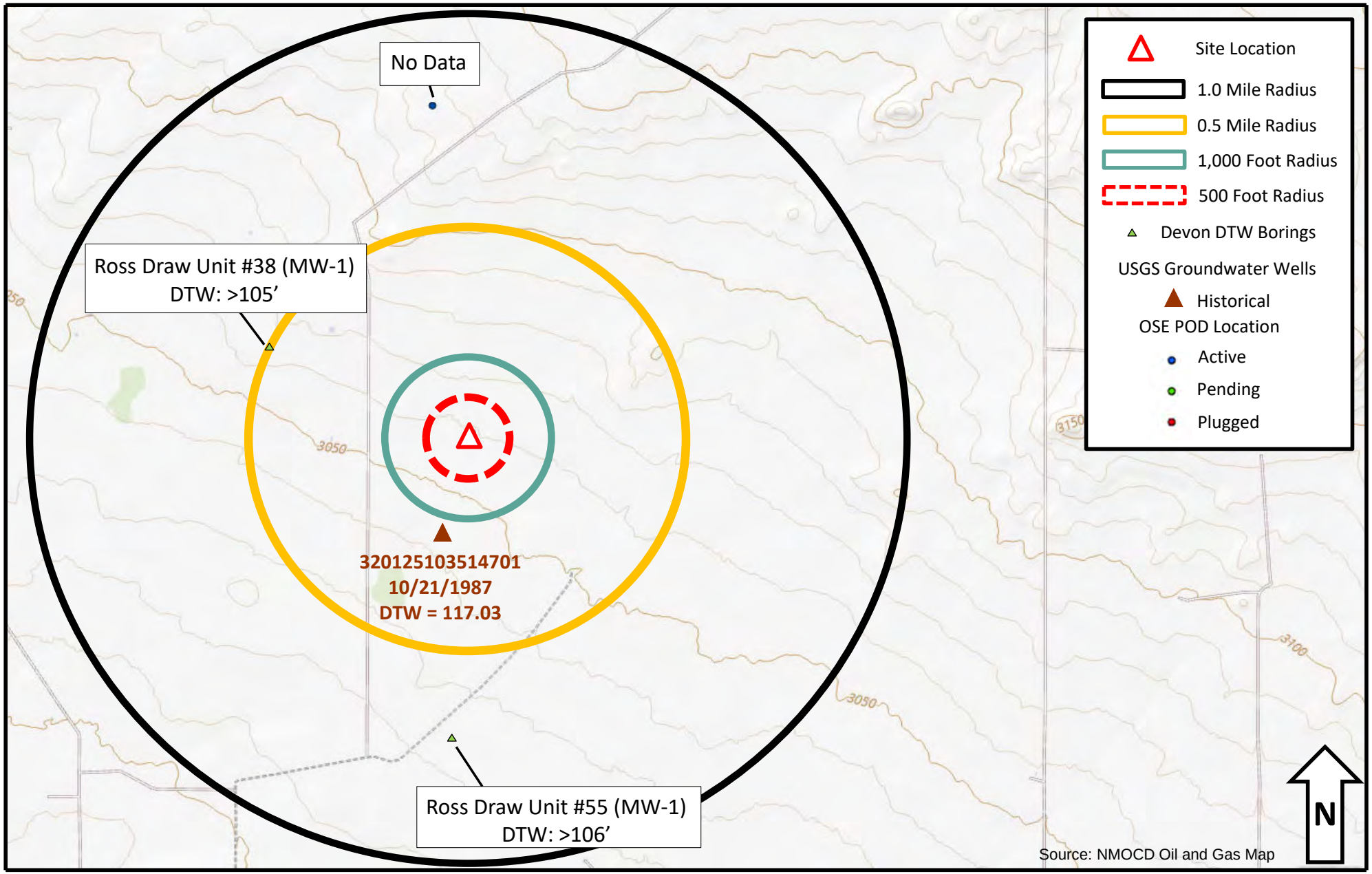

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Figure 1A – Ground Water

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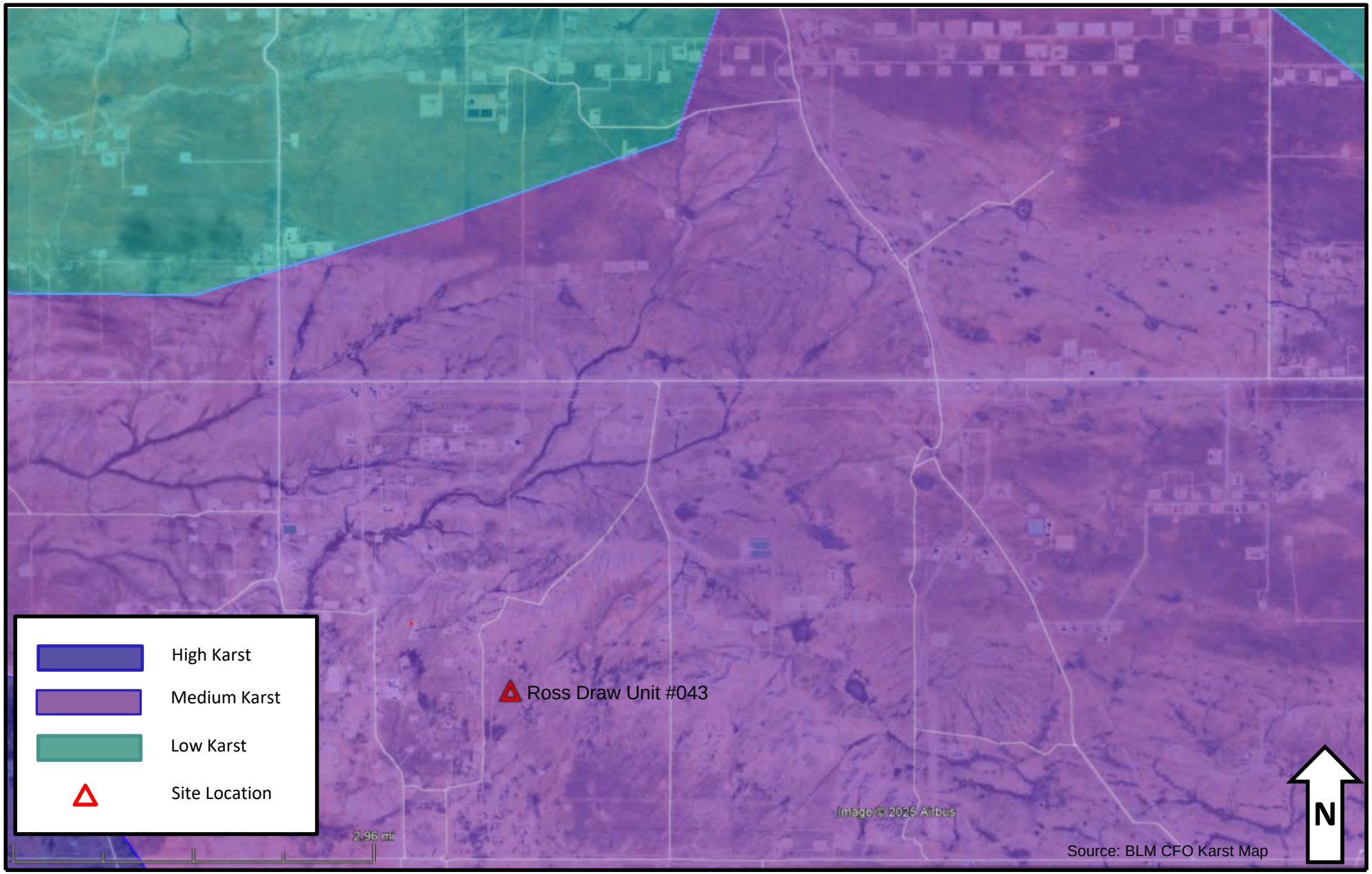

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Figure 1B – Karst Potential

WPX Energy Permian – Ross Draw Unit #043
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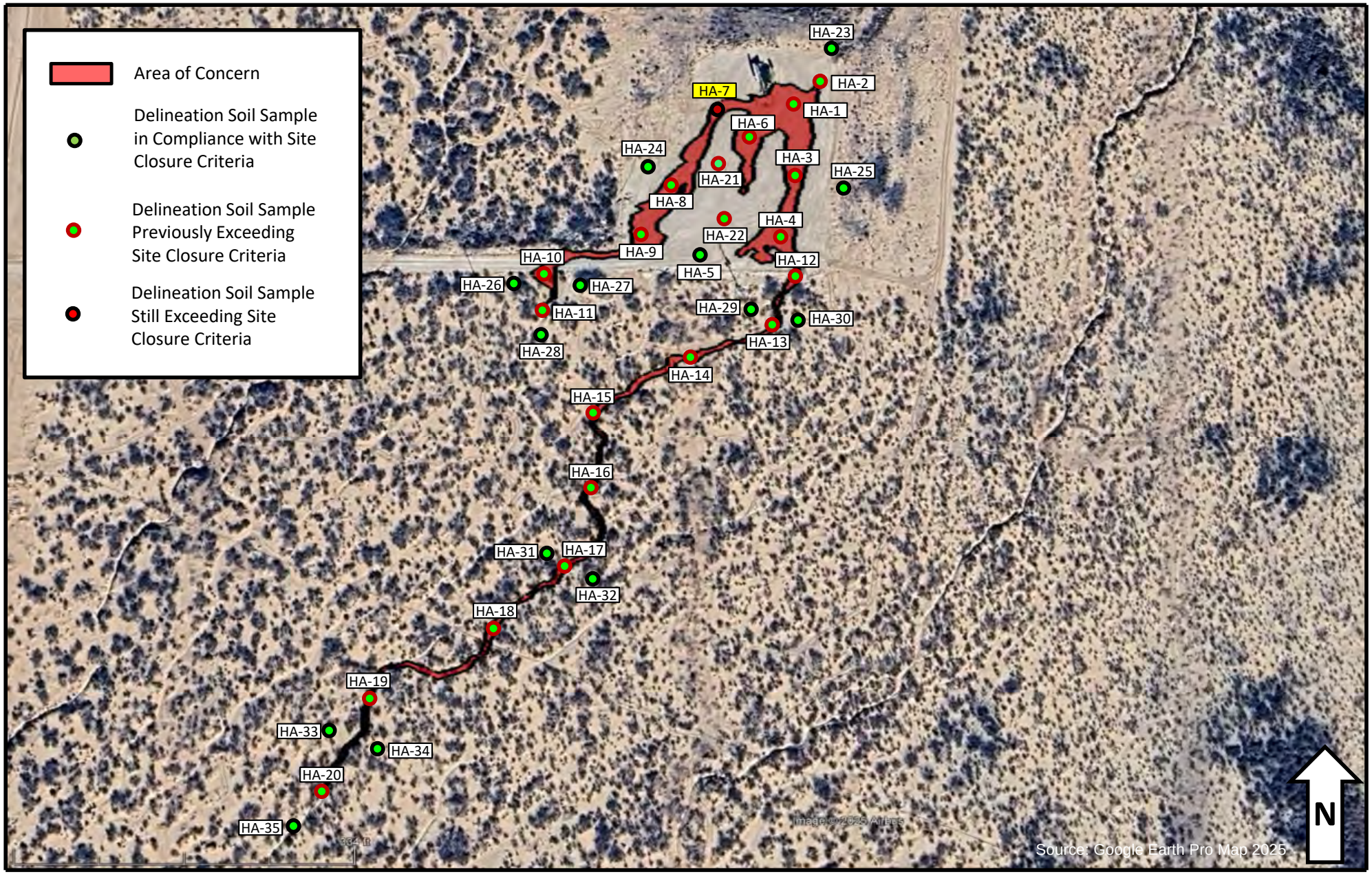

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Figure 2 – Delineation Soil Sample Locations

WPX Energy Permian – Ross Draw Unit #043
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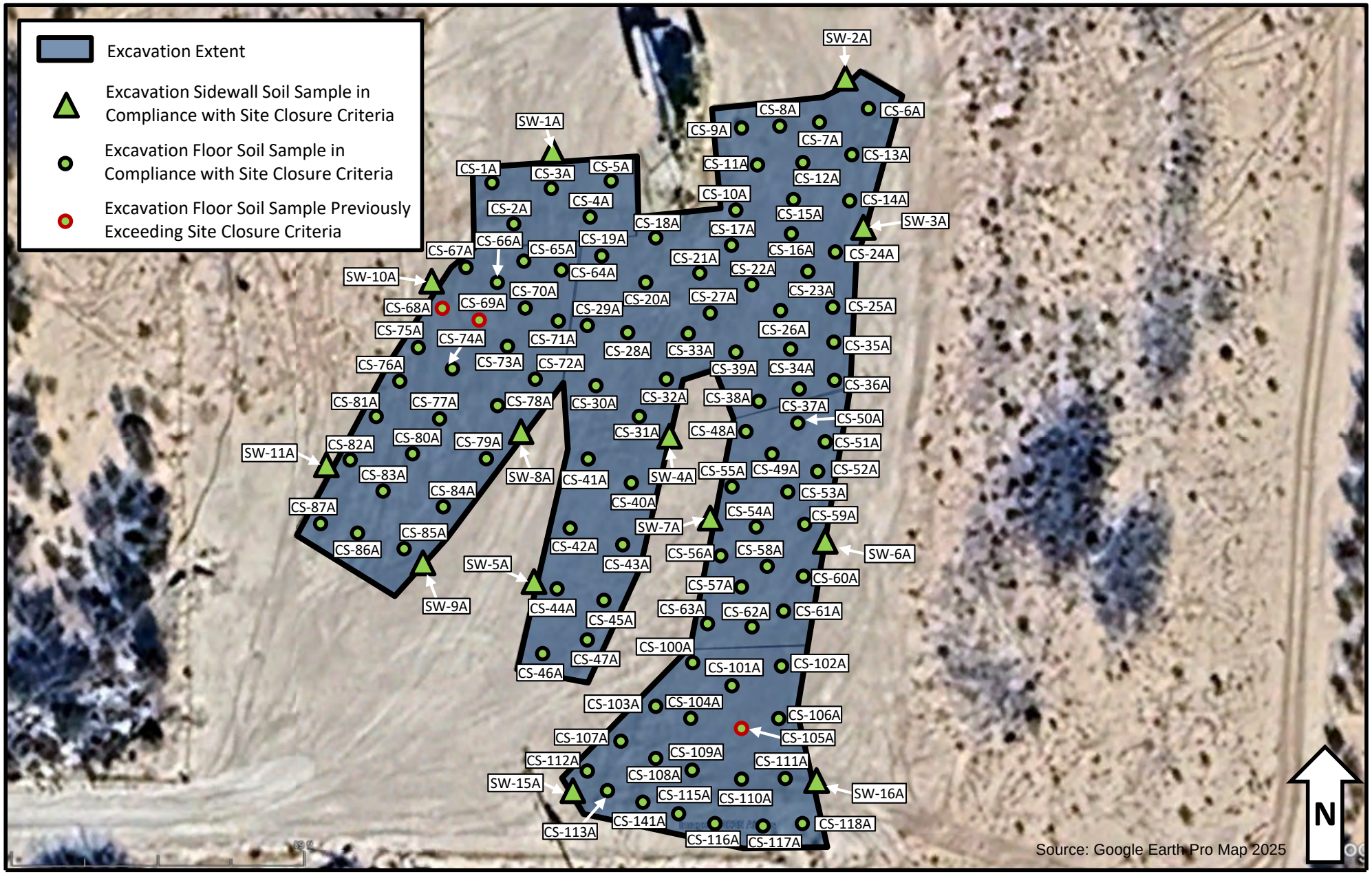

Figure 3 – Excavation Soil Sample Locations

Devon Energy Permian – Ross Draw Unit 43
GPS: 32.026837°, -103.862578°
Eddy County, New Mexico

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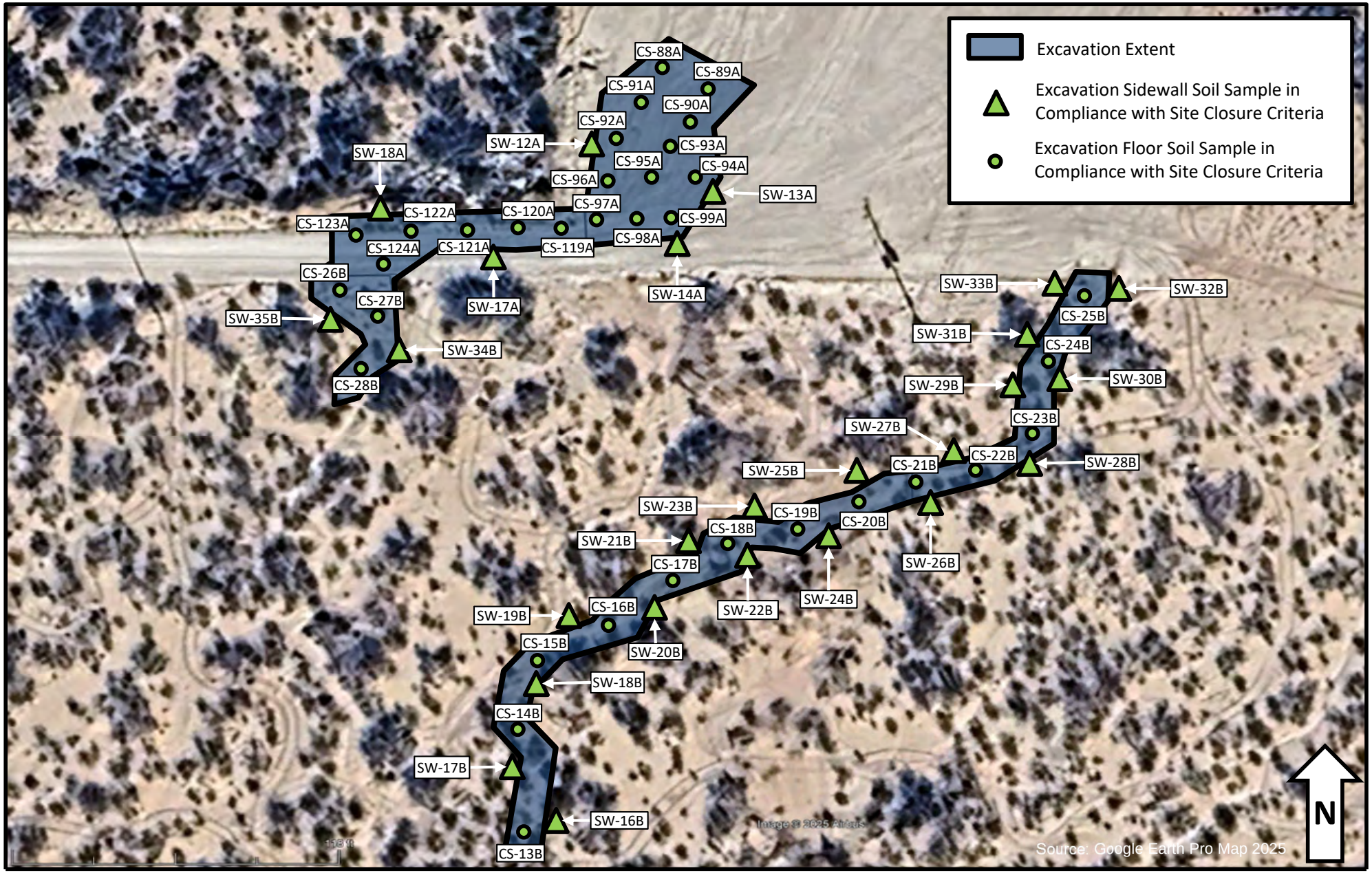

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Figure 3A – Excavation Soil Sample Locations

WPX Energy Permian – Ross Draw Unit #043
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Eddy County, New Mexico

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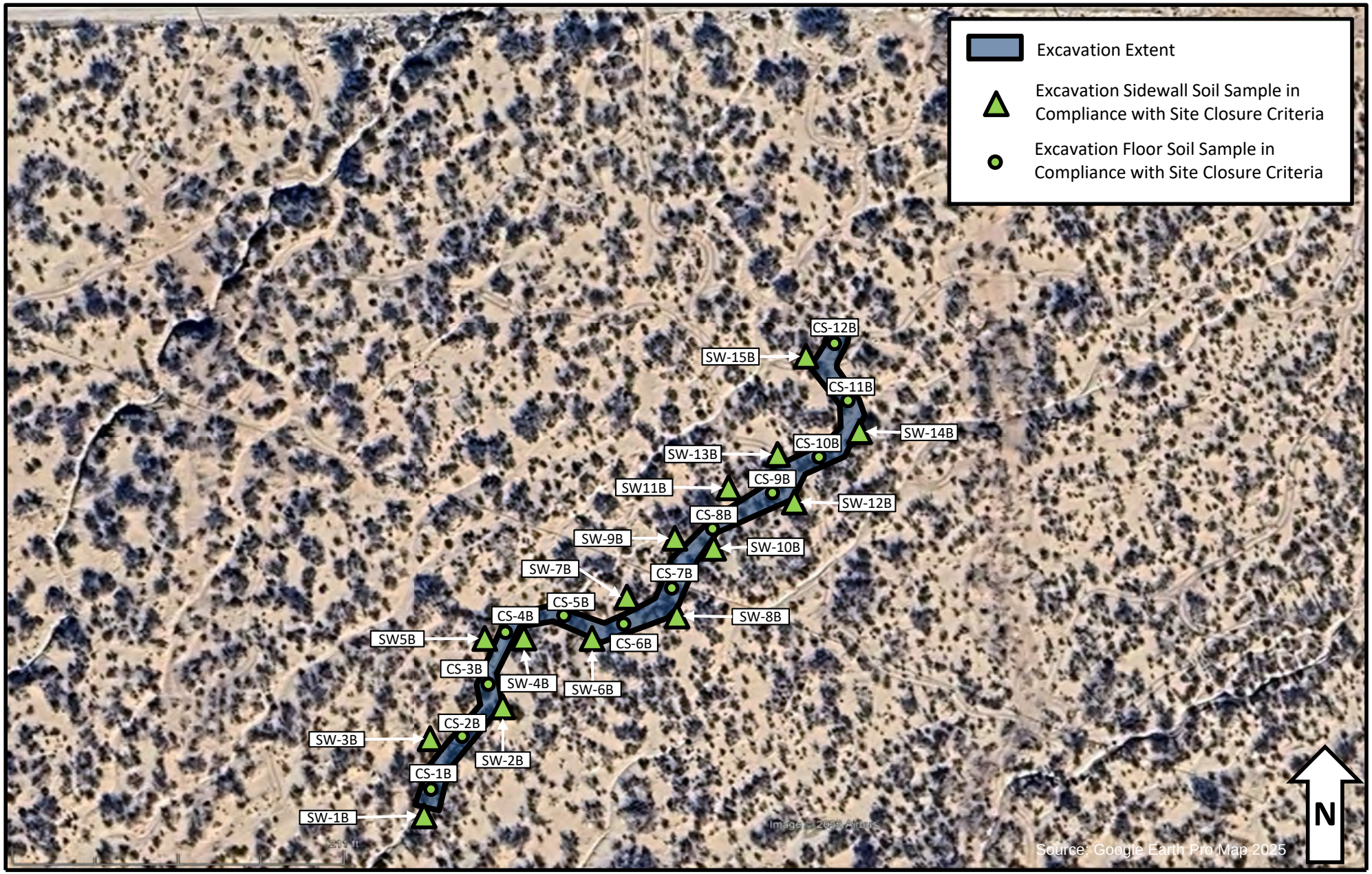

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Figure 3B – Excavation Soil Sample Locations

WPX Energy Permian – Ross Draw Unit #043
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Eddy County, New Mexico

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HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: Ross Draw Unit #38	
Date: 12/8/2020		Client: WPX Energy	
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, PG	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.030300
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 105	Longitude: -103.871338
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 12/16/2020

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks	Well Completion
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand	
5										
10										
15										
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand	
25										
30										
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand	
40										
45										
50										
55										
60										
65										
70	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand	
75										
80										
85										
90										
95										
100	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS	

Ross Draw Unit #043 - Closure Request Report
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PHOTO 1: Southwestern view during initial site assessment by ESRR. 5/16/2025

PHOTO 2: Eastern view during initial site assessment by ESRR. 5/16/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
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PHOTO 3: Northeastern view during initial site assessment by ESRR. 5/16/2025

PHOTO 4: Aerial view during initial site assessment by ESRR. 5/16/2025

Ross Draw Unit #043 - Closure Request Report
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PHOTO 5: Northwestern view during delineation activities. 6/5/2025

PHOTO 6: Northeastern view during delineation activities. 6/5/2025

Ross Draw Unit #043 - Closure Request Report
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PHOTO 7: Northeastern view during delineation activities. 6/5/2025

PHOTO 8: Southeastern view during delineation activities. 6/5/2025

Ross Draw Unit #043 - Closure Request Report
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PHOTO 9: Northeastern view during delineation activities. 6/5/2025

PHOTO 10: Northwestern view during delineation activities. 6/5/2025

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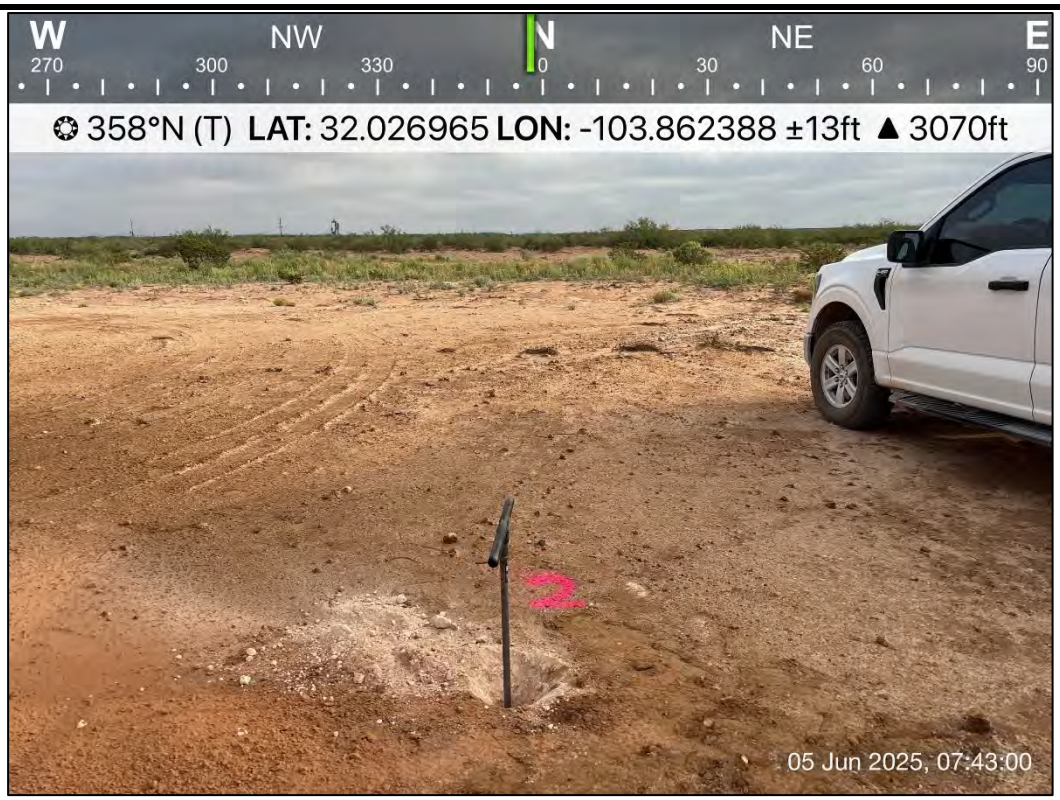

PHOTO 11: Northern view during delineation activities. 6/5/2025

PHOTO 12: Northern view during delineation activities. 6/5/2025

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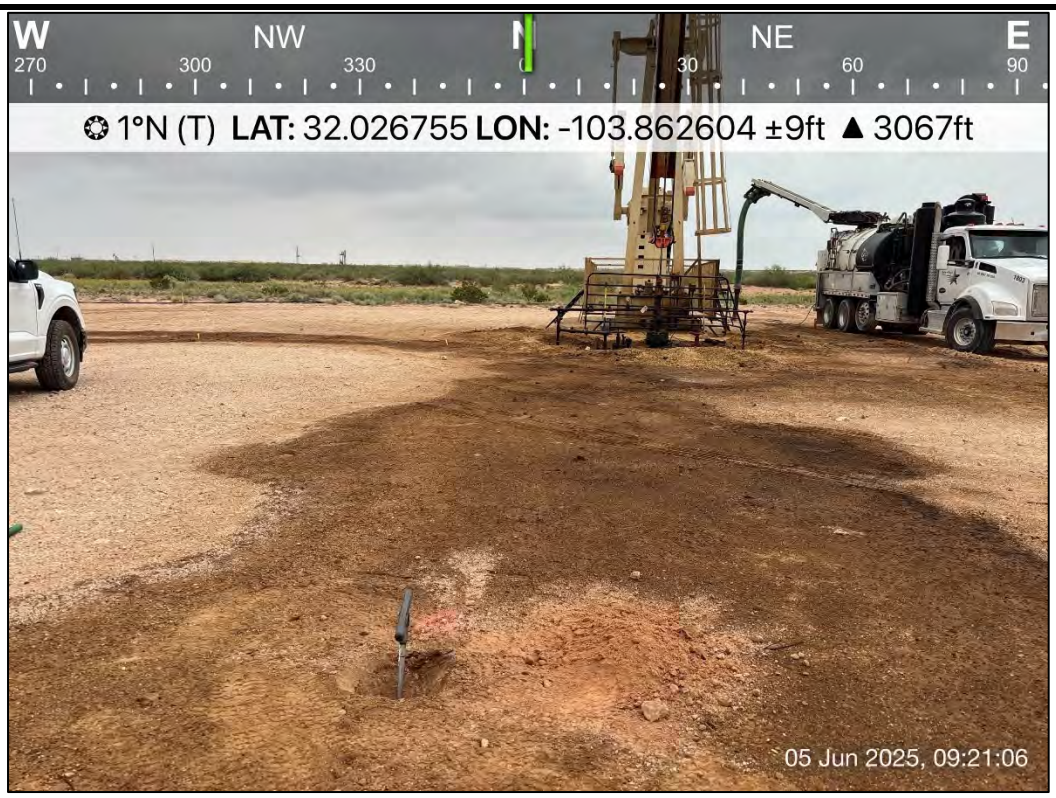

PHOTO 13: Northern view during delineation activities. 6/5/2025

PHOTO 14: Northern view of delineation borehole during delineation sampling by ESRR. 6/5/2025

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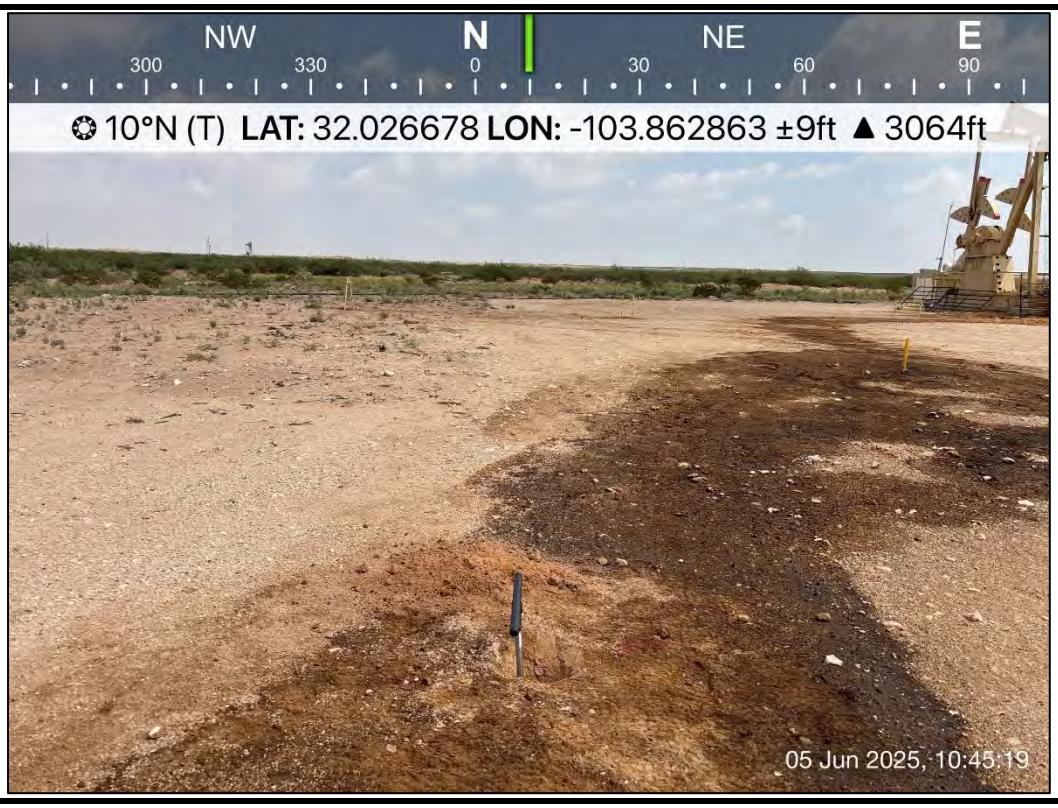

PHOTO 15: Northern view of delineation borehole during delineation sampling by ESRR. 6/5/2025

PHOTO 16: Northern view of delineation borehole during delineation sampling by ESRR. 6/5/2025

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PHOTO 17: Northern view of delineation borehole during delineation sampling by ESRR. 6/5/2025

PHOTO 18: Northern view of delineation borehole during delineation sampling by ESRR. 6/6/2025

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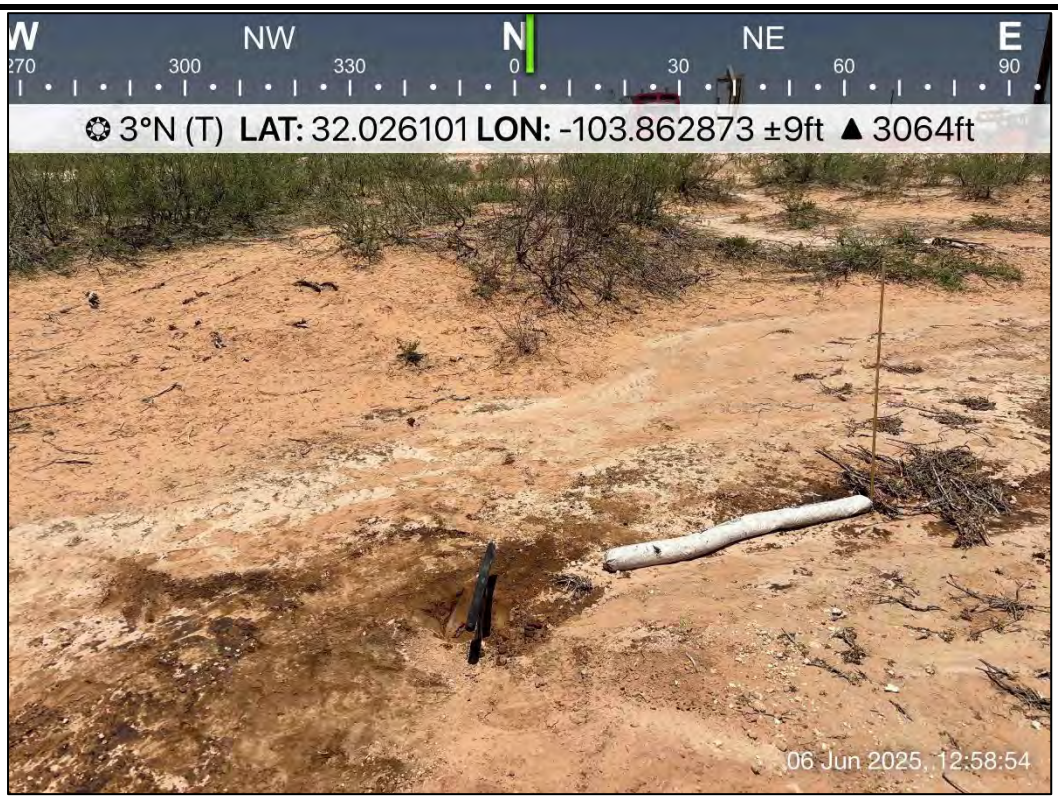

PHOTO 19: Northern view of delineation borehole during delineation sampling by ESRR. 6/6/2025

PHOTO 20: Northern view of delineation borehole during delineation sampling by ESRR. 6/6/2025

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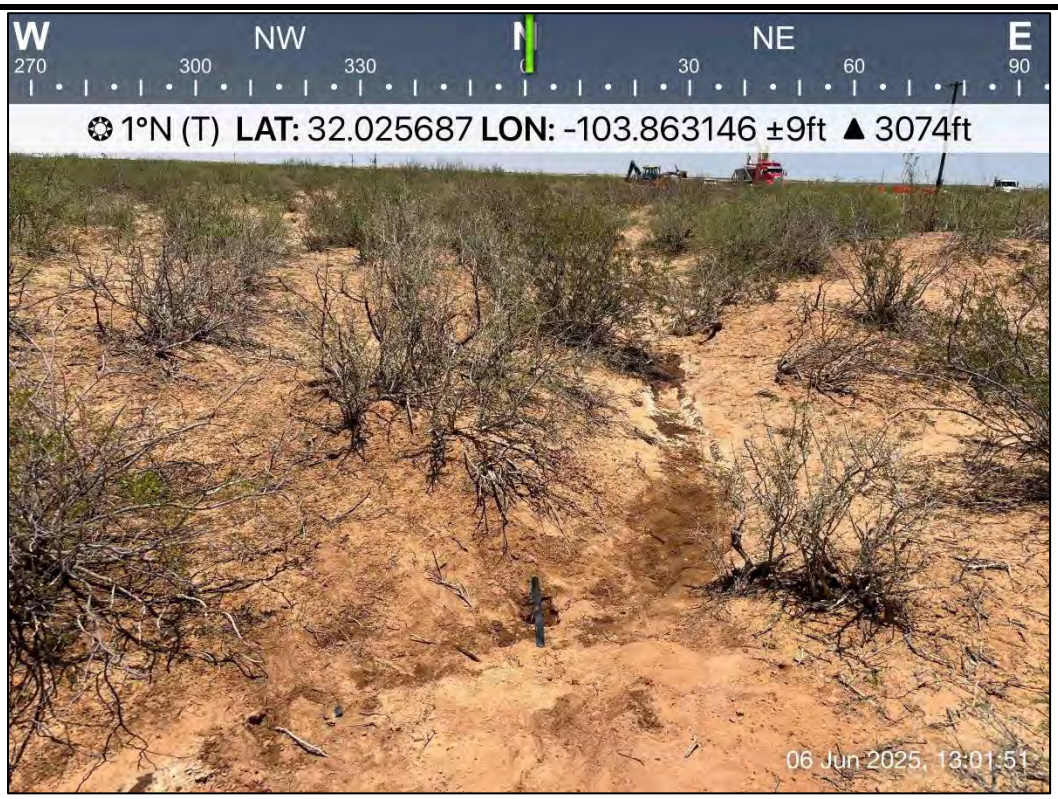

PHOTO 21: Northern view of delineation borehole during delineation sampling by ESRR. 6/6/2025

PHOTO 22: Northern view of delineation borehole during delineation sampling by ESRR. 6/6/2025

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PHOTO 23: Northern view of delineation borehole during delineation sampling by ESRR. 6/6/2025

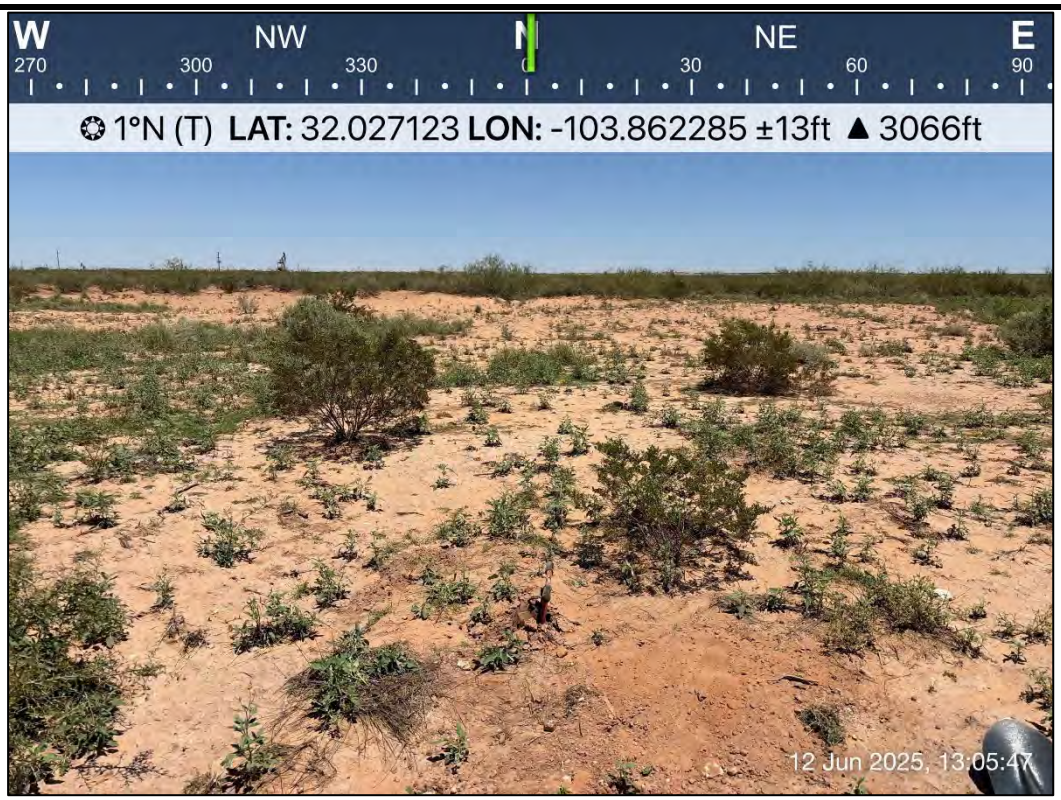

PHOTO 24: Northern view of delineation borehole during delineation sampling by ESRR. 6/12/2025

Ross Draw Unit #043 - Closure Request Report
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PHOTO 25: Northern view of delineation borehole during delineation sampling by ESRR. 6/12/2025

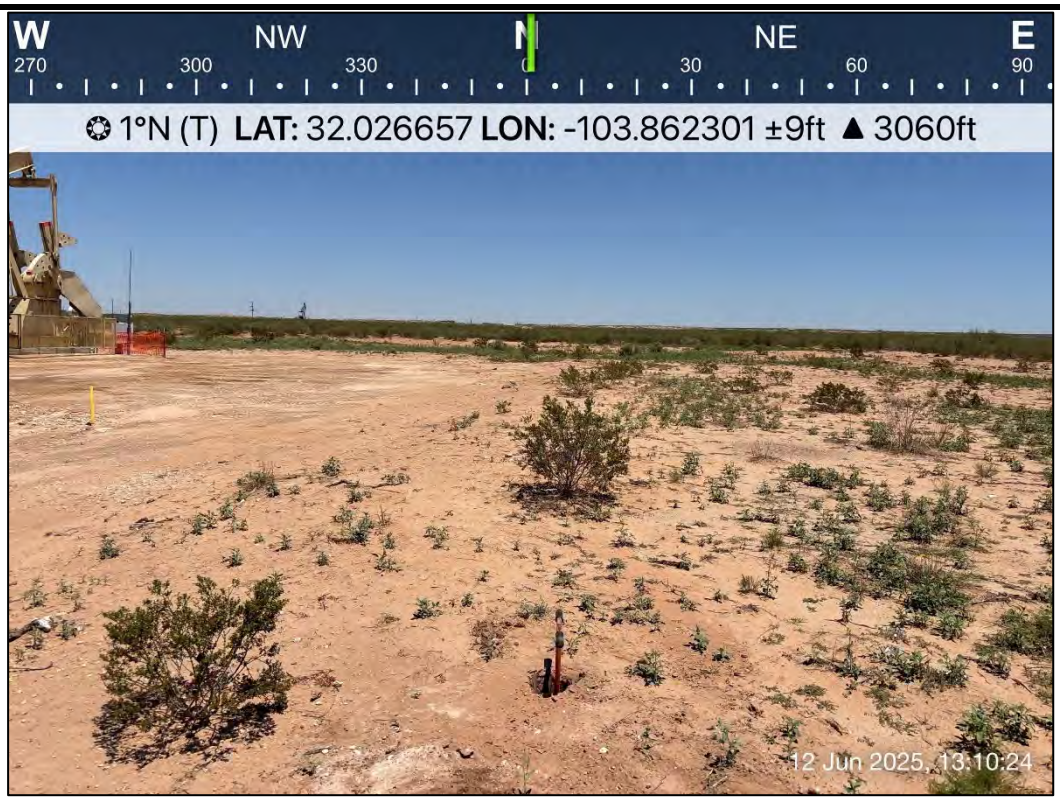

PHOTO 26: Northern view of delineation borehole during delineation sampling by ESRR. 6/12/2025

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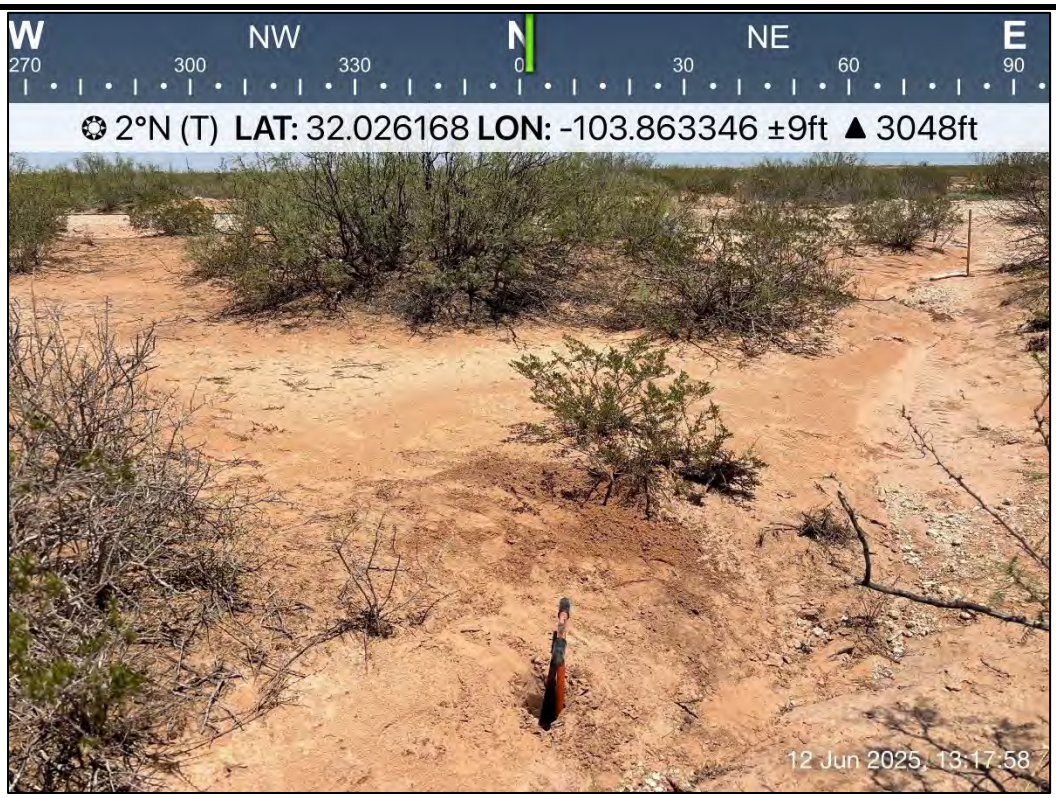

PHOTO 27: Northern view of delineation borehole during delineation sampling by ESRR. 6/12/2025

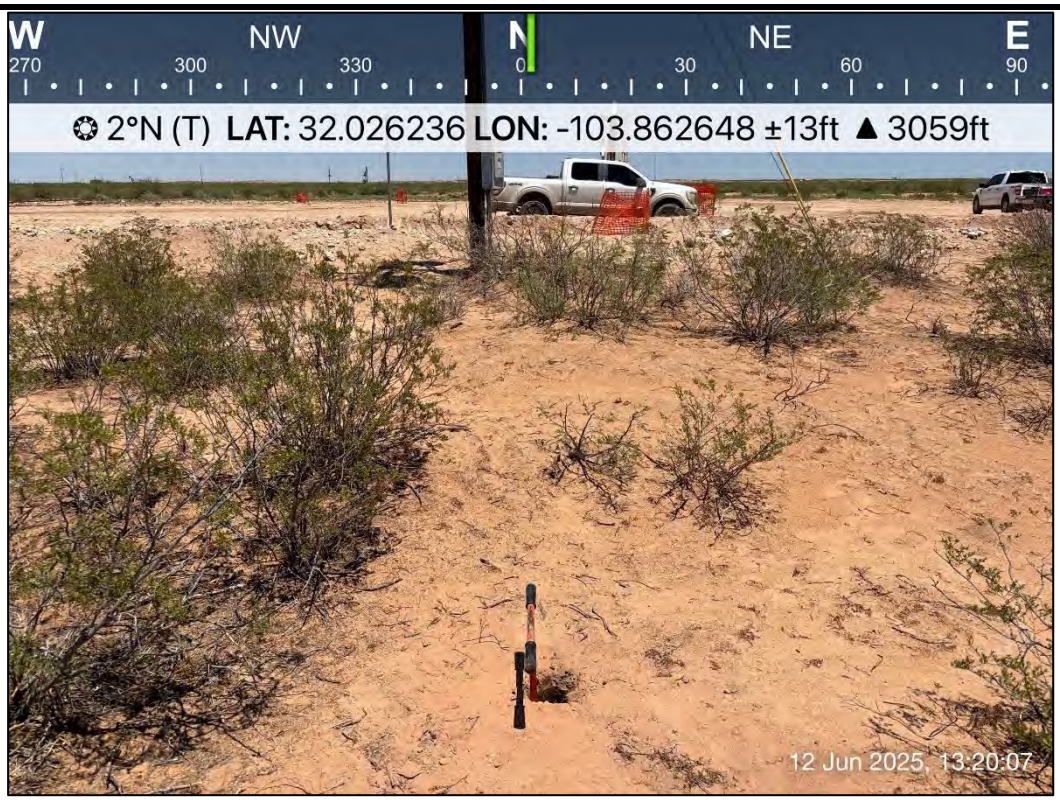

PHOTO 28: Northern view of delineation borehole during delineation sampling by ESRR. 6/12/2025

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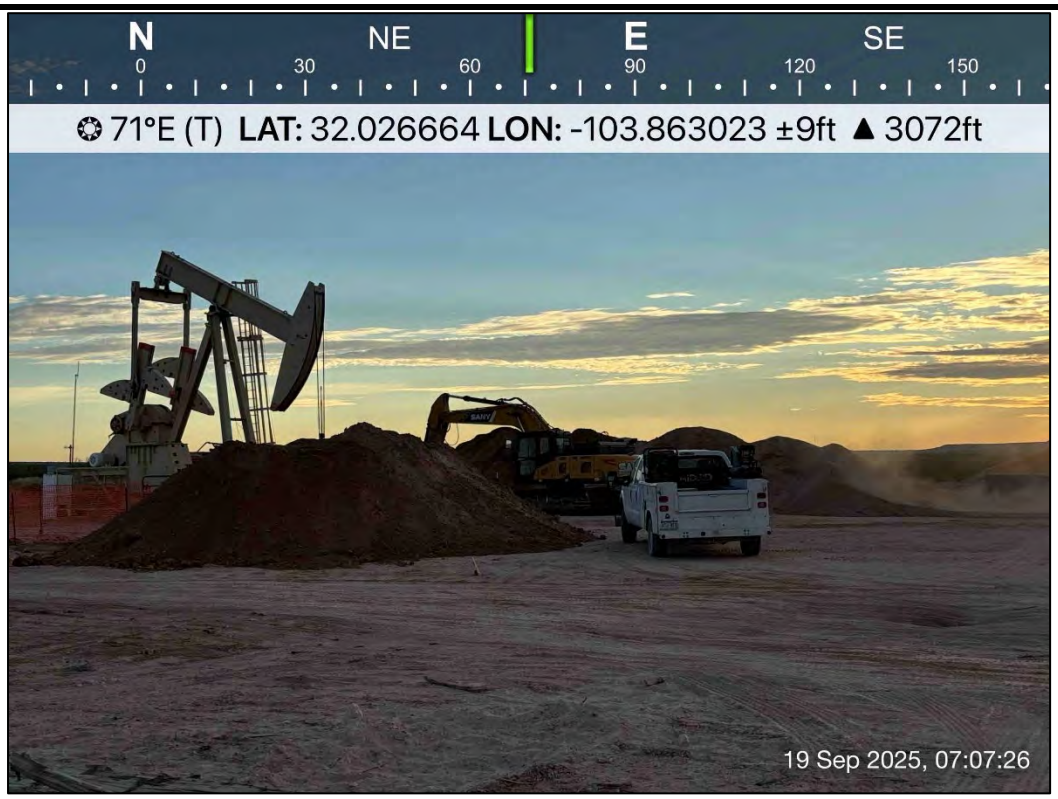

PHOTO 29: Northeastern view during excavation activities. 9/19/2025

PHOTO 30: Southwestern view of excavation extent. 9/19/2025

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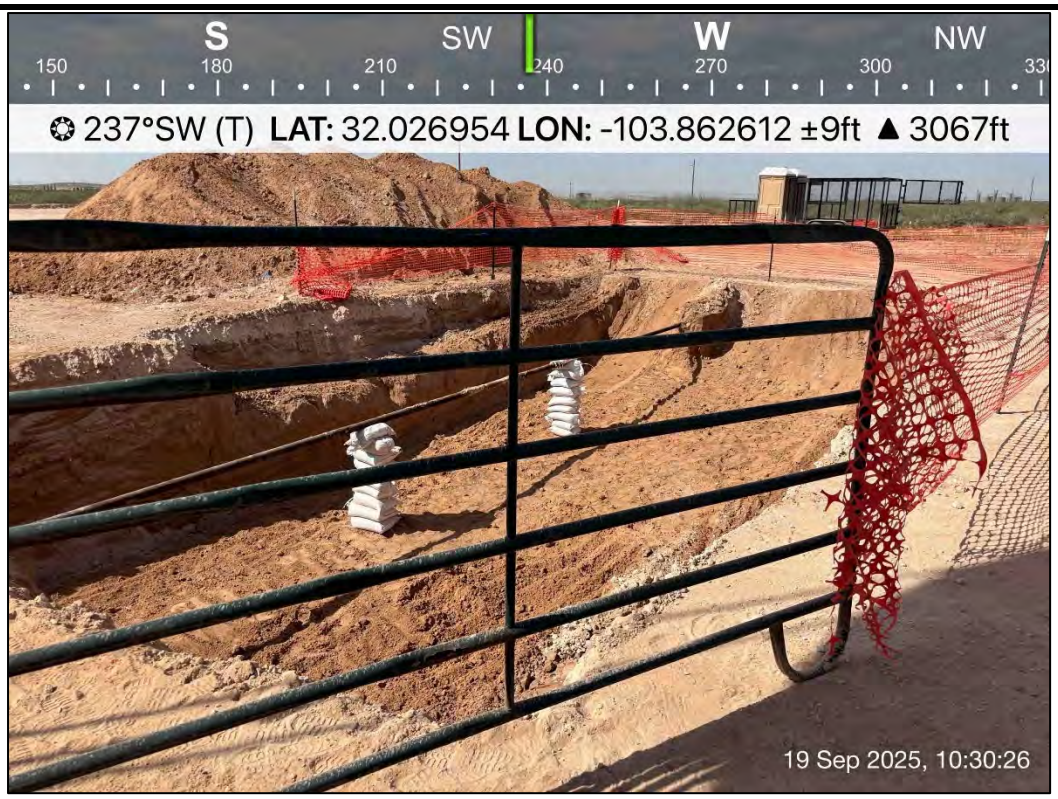

PHOTO 31: Southwestern view of excavation extent. 9/19/2025

PHOTO 32: Southwestern view of excavation extent. 9/19/2025

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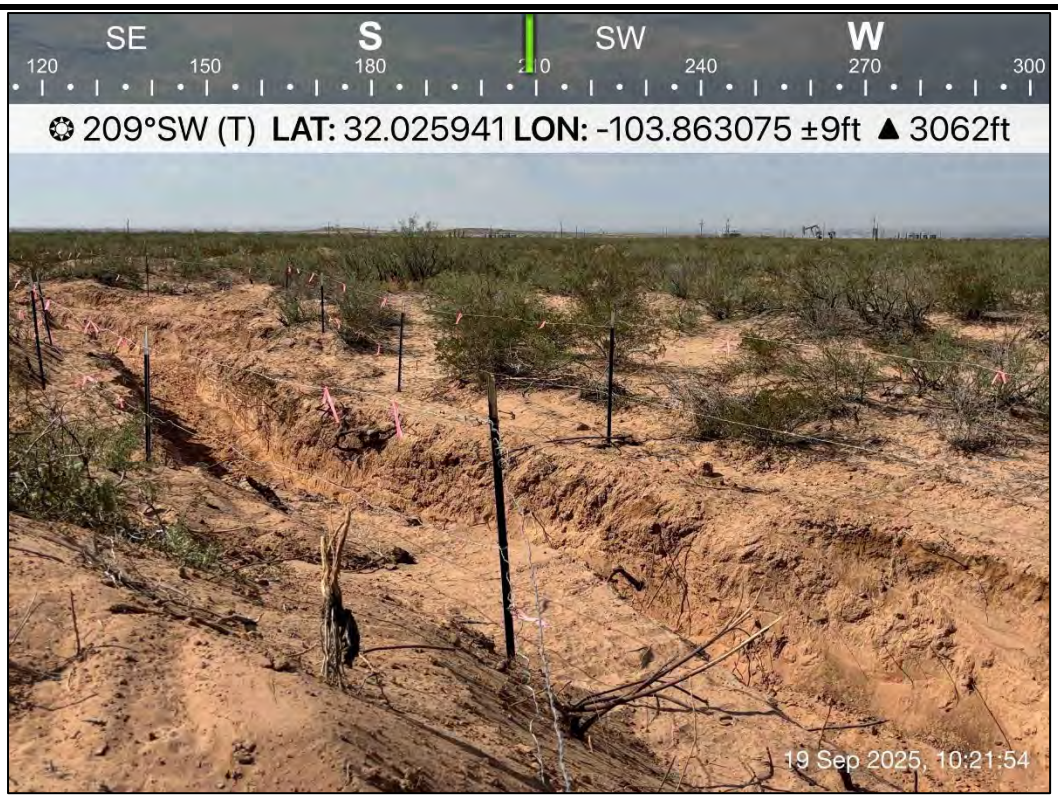

PHOTO 33: Southwestern view of excavation extent. 9/19/2025

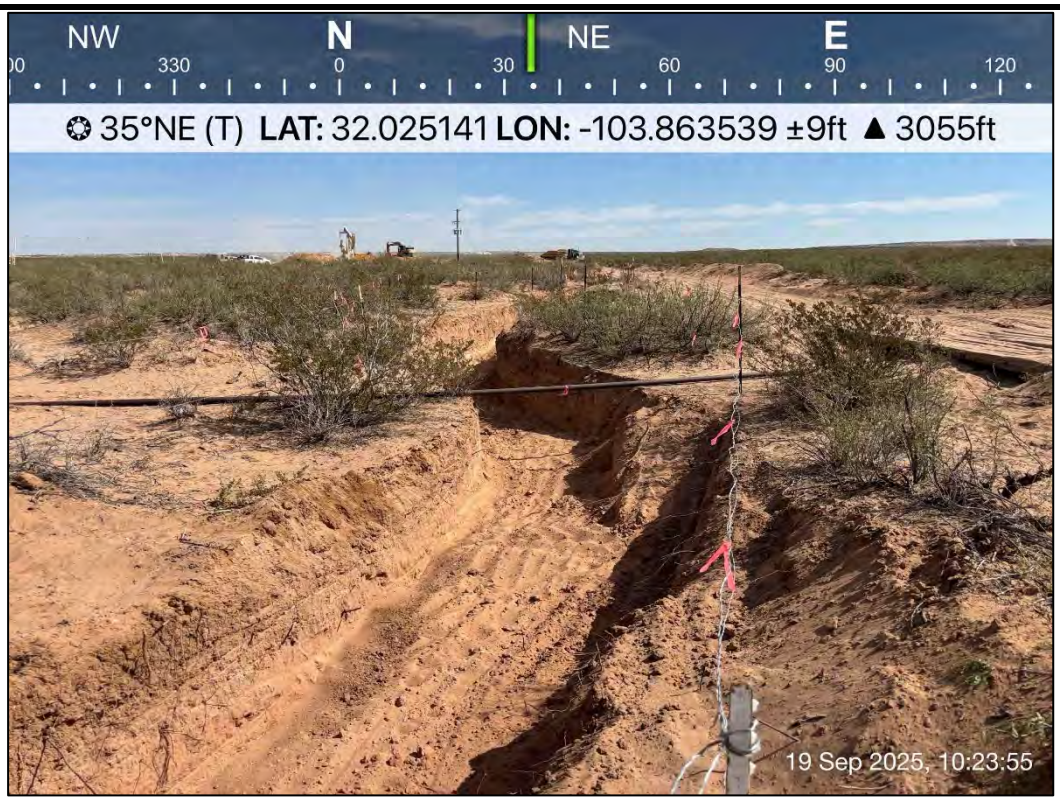

PHOTO 34: Northeastern view of excavation extent. 9/19/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

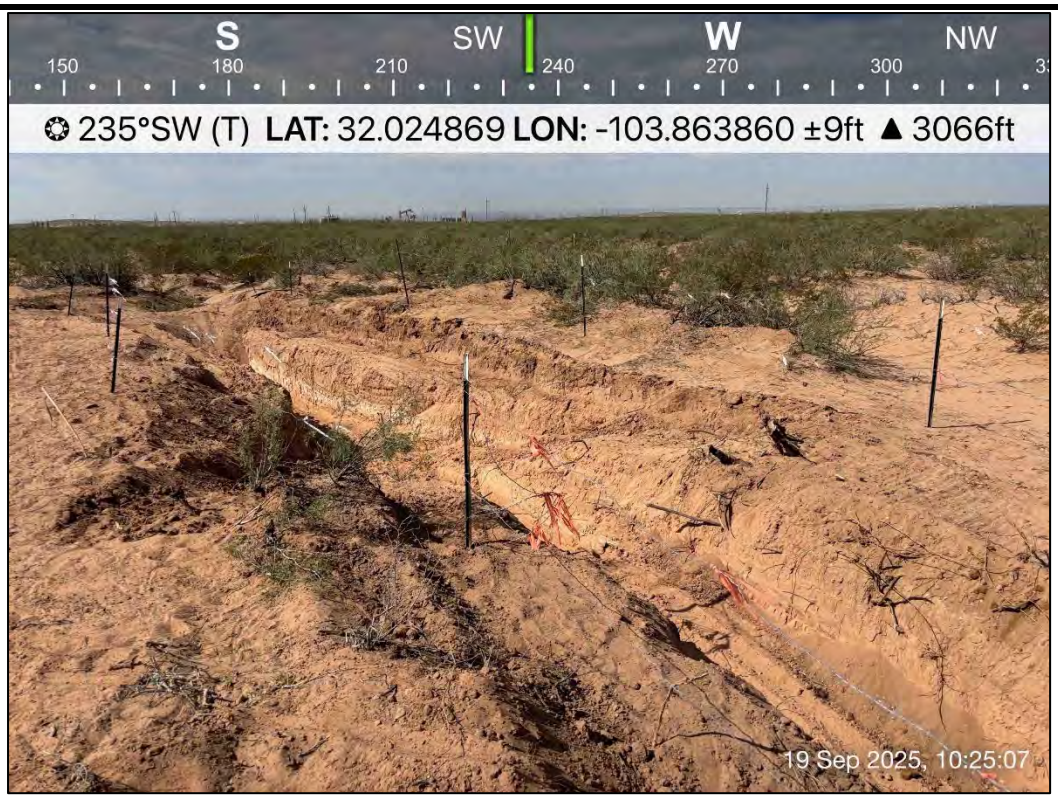

PHOTO 35: Southwestern view of excavation extent. 9/19/2025

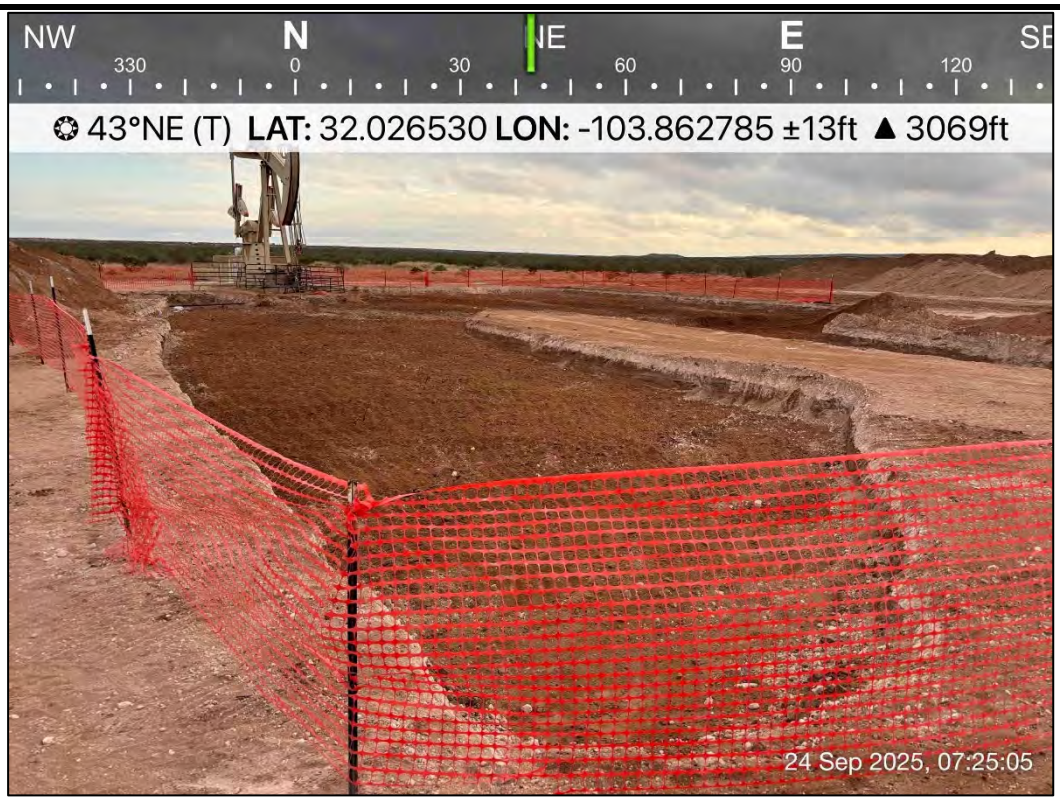

PHOTO 36: Northeastern view of excavation extent. 9/24/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

PHOTO 37: Northeastern view of excavation extent. 9/24/2025

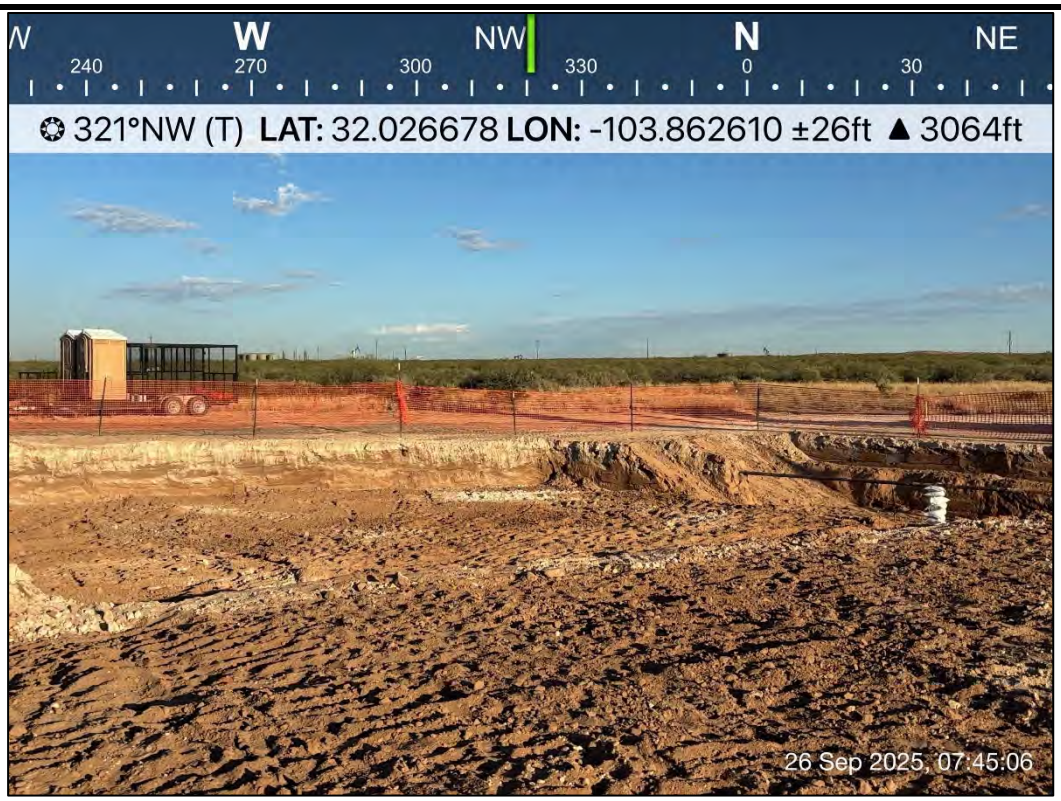

PHOTO 38: Northwestern view of excavation extent. 9/26/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

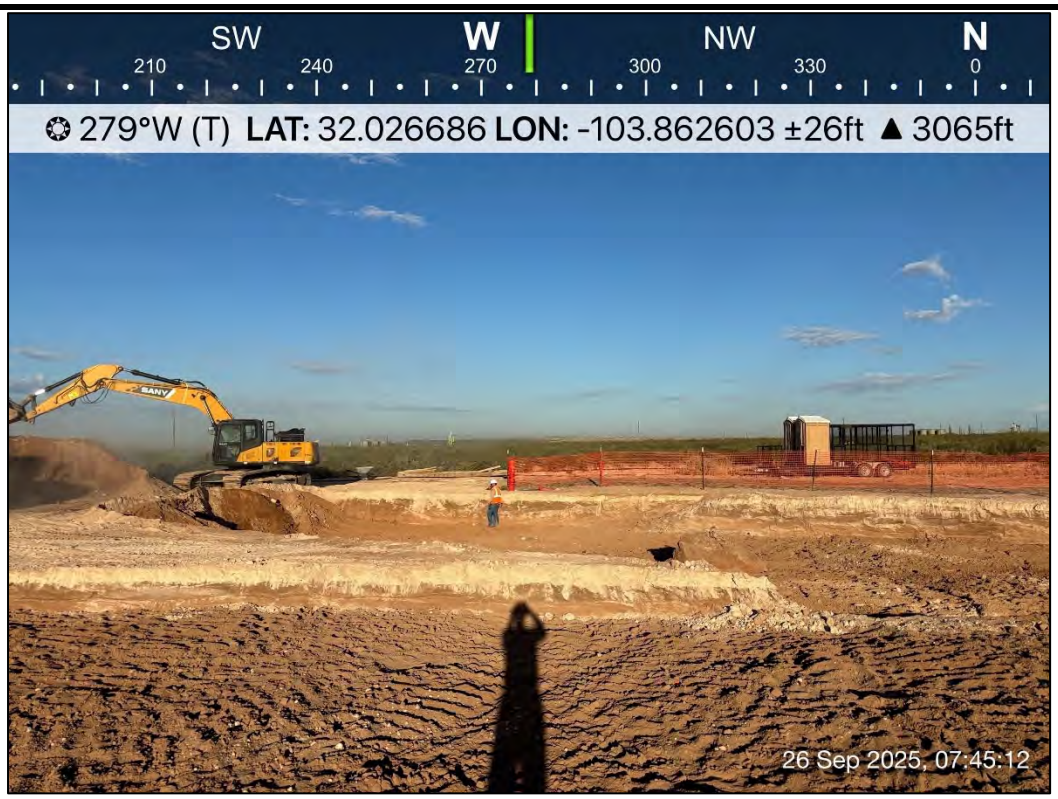

PHOTO 39: Western view during excavation activities. 9/26/2025

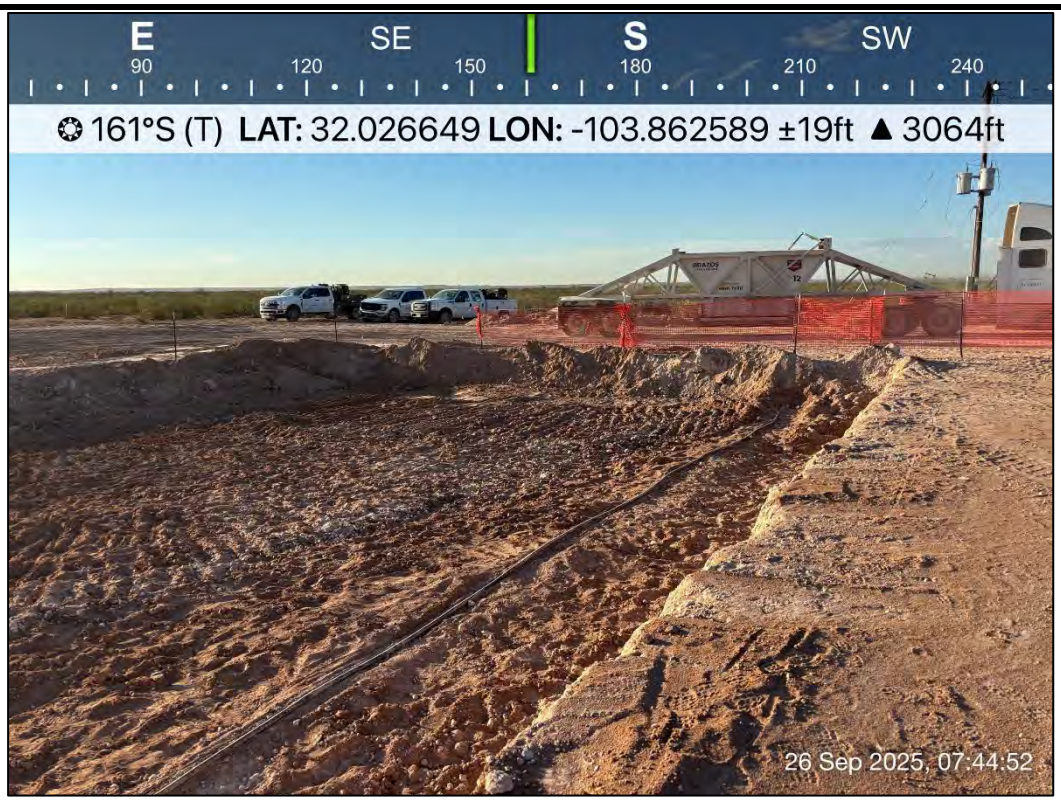

PHOTO 40: Southeastern view of excavation extent. 9/26/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

PHOTO 41: Southwestern view of excavation extent. 9/29/2025

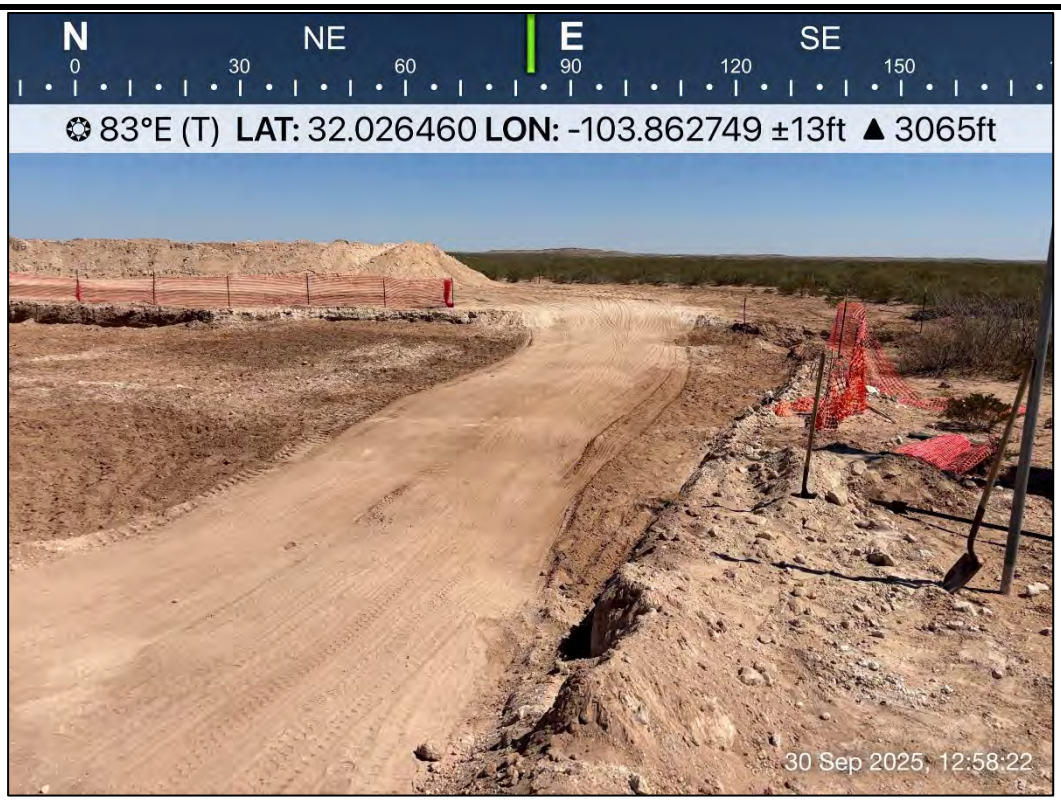

PHOTO 42: Eastern view of excavation extent. 9/29/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

PHOTO 43: Northeastern view of excavation activities. 9/29/2025

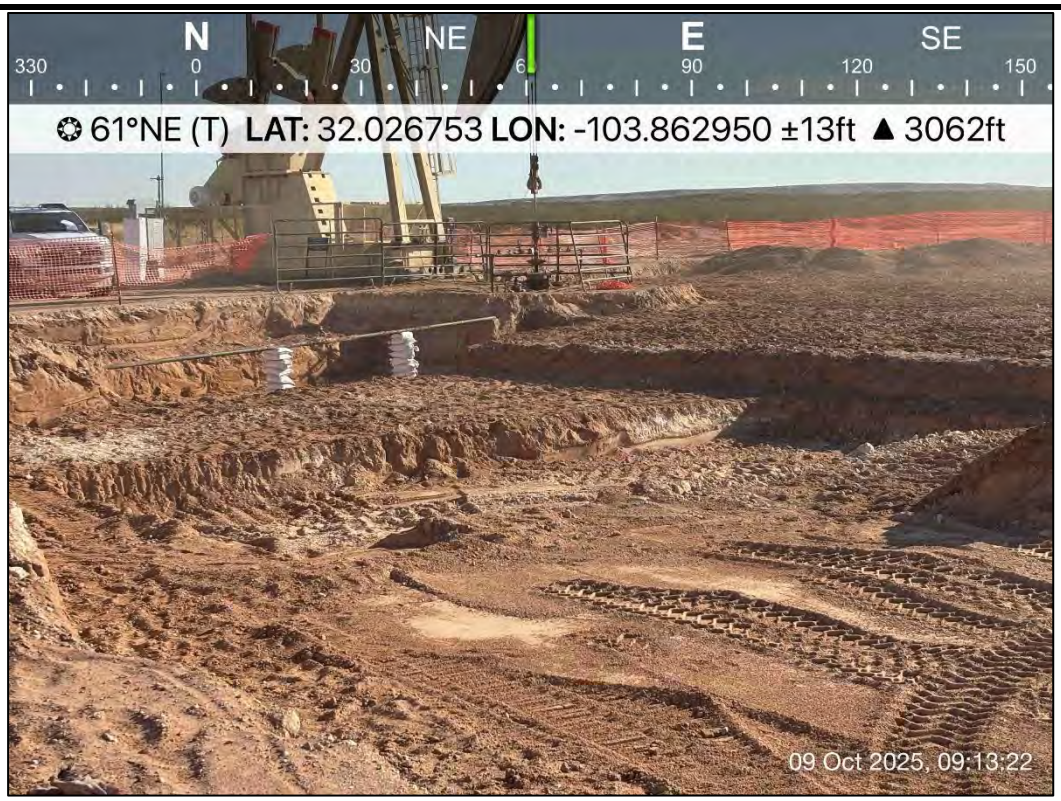

PHOTO 44: Northeastern view of excavation extent. 10/9/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

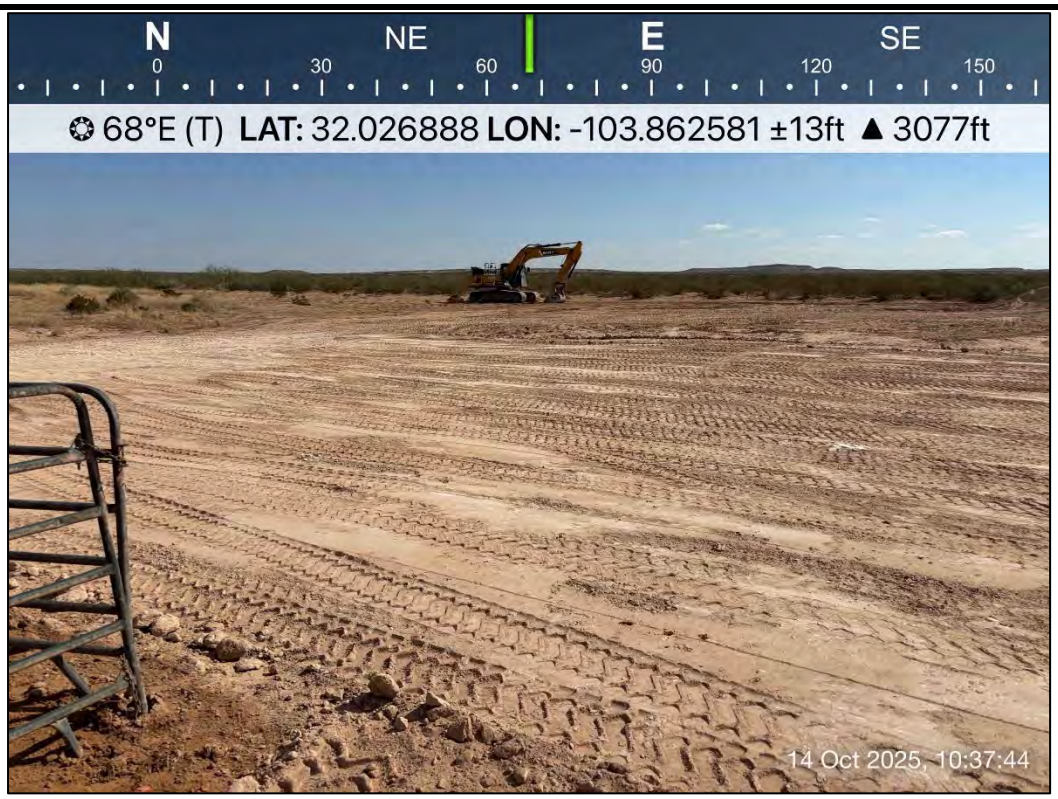

PHOTO 45: Northeastern view following restoration activities. 10/14/2025

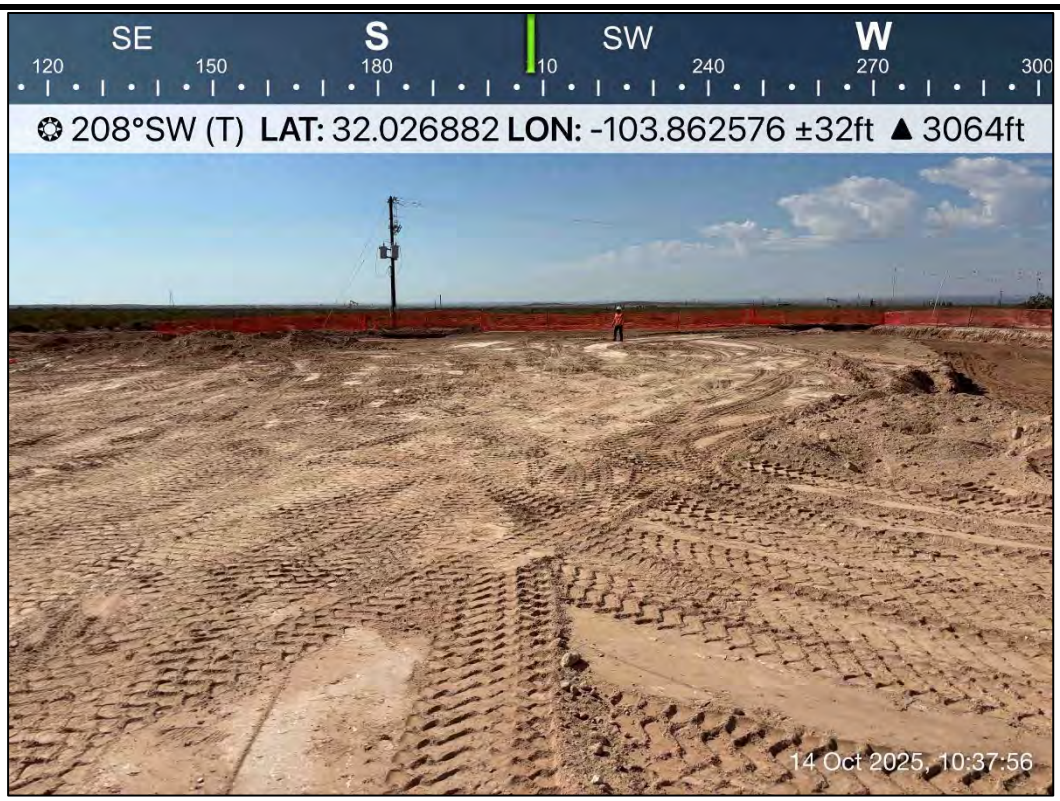

PHOTO 46: Southwestern view following restoration activities. 10/14/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

PHOTO 47: Southwestern view following restoration activities. 10/14/2025

PHOTO 48: Southern view following restoration activities. 10/14/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

PHOTO 49: Southwestern view following restoration activities. 10/14/2025

PHOTO 50: Northeastern following restoration activities. 10/14/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

PHOTO 51: Southwestern view following restoration activities. 10/21/2025

PHOTO 52: Northwestern view following restoration activities. 10/21/2025

Ross Draw Unit #043 - Closure Request Report
Incident Number: nAPP2513556445
GPS: 32.0269012°, -103.8626175°

PHOTO 53: Eastern view following restoration activities. 10/21/2025

PHOTO 54: Southeastern view of location sign. 10/14/2025

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Received by OCD: 11/18/2025 12:30:18 PM

Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Ross Draw Unit 43
Eddy County, New Mexico

devon WPXENERGY

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 - nAPP2513556445									
HA - 1	06/05/25	0.5	<0.00200	<0.00399	<50.0	192	<50.0	192	19,900
HA - 1	06/05/25	1	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	8,020
HA - 1	06/05/25	2	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	442
HA - 1	06/05/25	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	176
HA - 1	06/05/25	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	181
HA - 2	06/05/25	0.5	<0.00202	<0.00404	<50.0	533	<50.0	533	2,110
HA - 2	06/05/25	1	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	638
HA - 2	06/05/25	2	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	122
HA - 2	06/05/25	3	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	111
HA - 2	06/05/25	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	95.3
HA - 3	06/05/25	0.5	<0.00202	<0.00403	<50.0	635	<50.0	635	17,800
HA - 3	06/05/25	1	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	12,300
HA - 3	06/05/25	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	6,150
HA - 3	06/05/25	3	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	222
HA - 3	06/05/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	222
HA - 4	06/05/25	0.5	<0.00200	<0.00399	<49.8	166	<49.8	166	2,140
HA - 4	06/05/25	1	<0.00200	0.0144	<49.6	<49.6	<49.6	<49.6	8,900
HA - 4	06/05/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	461
HA - 4	06/05/25	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	241
HA - 4	06/05/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	206
HA - 5	06/05/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	133
HA - 5	06/05/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	257
HA - 5	06/05/25	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	150
HA - 6	06/05/25	0.5	<0.00199	<0.00398	<50.3	222	<50.3	222	17,300
HA - 6	06/05/25	1	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	14,500
HA - 6	06/05/25	2	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	1,440
HA - 6	06/05/25	3	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	182

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Ross Draw Unit 43
Eddy County, New Mexico

devon WPXENERGY

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 - nAPP2513556445									
HA - 6	06/05/25	4	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	178
HA - 7	06/05/25	0.5	<0.00198	<0.00397	<49.7	199	<49.7	199	17,500
HA - 7	06/05/25	1	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	5,220
HA - 7	06/05/25	2	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	3,580
HA - 7	06/05/25	3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	207
HA - 7	06/05/25	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,130
HA - 8	06/05/25	0.5	<0.00199	<0.00398	<49.8	337	<49.8	337	15,600
HA - 8	06/05/25	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	7,440
HA - 8	06/05/25	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	1,350
HA - 8	06/05/25	3	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	774
HA - 8	06/05/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	277
HA - 9	06/05/25	0.5	<0.00199	0.897	<1000	8,380	<1,000	8,380	8,250
HA - 9	06/05/25	1	<0.00200	0.0252	<50.0	89.8	<50.0	89.8	23,600
HA - 9	06/05/25	2	<0.00200	<0.00399	<50.0	62.8	<50.0	62.8	8,890
HA - 9	06/05/25	3	<0.00201	0.0138	<49.8	<49.8	<49.8	<49.8	280
HA - 9	06/05/25	4	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	430
HA - 10	06/05/25	0.5	<0.00202	<0.00403	<49.8	103	<49.8	103	529
HA - 10	06/05/25	2	<0.00202	0.016	<49.9	<49.9	<49.9	<49.9	979
HA - 10	06/05/25	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	101
HA - 11	06/05/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	447
HA - 11	06/05/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	846
HA - 11	06/05/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	114
HA - 12	06/05/25	0.5	<0.00200	<0.00399	<49.7	511	<49.7	511	2,970
HA - 12	06/05/25	2	<0.00200	0.00612	<50.0	<50.0	<50.0	<50.0	3,950
HA - 12	06/05/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	216
HA - 13	06/05/25	0.5	<0.00199	<0.00398	<49.9	295	<49.9	295	7,200
HA - 13	06/05/25	2	<0.00200	0.0611	<50.0	<50.0	<50.0	<50.0	16,500

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Earth Systems
Response & Restoration

Table 1
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Ross Draw Unit 43
Eddy County, New Mexico

devon WPXENERGY

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 - nAPP2513556445									
HA - 13	06/05/25	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	167
HA - 14	06/06/25	0.5	<0.00200	<0.00399	<50.0	920	<50.0	920	10,700
HA - 14	06/06/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	109
HA - 14	06/06/25	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	102
HA - 15	06/06/25	0.5	<0.00199	0.0439	<497	6,690	<497	6,690	287
HA - 15	06/06/25	2	<0.00200	<0.00399	<49.7	77.2	<49.7	77.2	106
HA -15	06/06/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	102
HA - 15	06/06/25	6	<0.00198	<0.00396	<50.0	80.6	<50.0	80.6	113
HA - 16	06/06/25	0.5	<0.00202	0.337	<996	10,400	<996	10,400	485
HA - 16	06/06/25	2	<0.00199	<0.00398	<49.9	361	<49.9	361	131
HA - 16	06/06/25	4	<0.00198	<0.00397	<50.0	574	<50.0	574	196
HA - 16	06/06/25	6	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	93.8
HA - 17	06/06/25	0.5	<0.00198	0.00669	<498	6,770	<498	6,770	189
HA - 17	06/06/25	2	<0.00201	<0.00402	<50.5	179	<50.5	179	112
HA - 17	06/06/25	4	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	86.3
HA - 17	06/06/25	6	<0.00200	<0.00399	57.4	<50.0	<50.0	57.4	135
HA - 18	06/06/25	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	143
HA - 18	06/06/25	2	<0.00199	<0.00398	<50.0	123	<50.0	123	116
HA - 18	06/06/25	4	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	120
HA - 19	06/06/25	0.5	<0.00202	0.0584	57.7	1,650	<49.7	1,710	172
HA - 19	06/06/25	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	108
HA - 19	06/06/25	4	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	107
HA - 20	06/06/25	0.5	<0.00198	0.569	<996	12,300	<996	12,300	138
HA - 20	06/06/25	2	<0.00198	0.035	<49.7	615	<49.7	615	111
HA - 20	06/06/25	4	<0.00201	0.0206	<49.9	824	<49.9	824	121
HA - 20	06/06/25	6	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	115
HA - 21	06/06/25	0.5	<0.00202	0.101	<50.0	<50.0	<50.0	<50.0	3,830

Released to Imaging: 1/26/2026 3:27:17 PM
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Earth Systems
Response & Restoration

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Ross Draw Unit 43
Eddy County, New Mexico

devon WPXENERGY

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 - nAPP2513556445									
HA - 21	06/06/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	887
HA - 21	06/06/25	4	<0.00198	<0.00397	<49.7	<49.7	<49.7	<49.7	214
HA - 22	06/06/25	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	887
HA - 22	06/06/25	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	174
HA - 22	06/06/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	371
HA - 23	06/12/25	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	185
HA - 23	06/12/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	339
HA - 24	06/12/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	159
HA - 24	06/12/25	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	240
HA - 25	06/12/25	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	119
HA - 25	06/12/25	4	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	361
HA - 26	06/12/25	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	99.8
HA - 26	06/12/25	4	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	83.8
HA - 27	06/12/25	0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	108
HA - 27	06/12/25	4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	188
HA - 28	06/12/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	89.4
HA - 28	06/12/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	153
HA - 29	06/12/25	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	109
HA - 29	06/12/25	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	103
HA - 30	06/12/25	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	49.5
HA - 30	06/12/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	104
HA - 31	06/12/25	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	81.8
HA - 31	06/12/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	51.5
HA - 31	06/12/25	6	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	62.5
HA - 32	06/12/25	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	77.2
HA - 32	06/12/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	104
HA - 32	06/12/25	6	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	182

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Ross Draw Unit 43
Eddy County, New Mexico

devon WPXENERGY

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 - nAPP2513556445									
HA - 33	06/12/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	86.7
HA - 33	06/12/25	4	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	76.7
HA - 33	06/12/25	6	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	172
HA - 34	06/12/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	69.8
HA - 34	06/12/25	4	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	104
HA - 34	06/12/25	6	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	103
HA - 35	06/12/25	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	115
HA - 35	06/12/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	99.1
Confirmation Soil Samples - nAPP2513556445									
CS - 1A	09/24/25	6	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	158
CS - 2A	09/24/25	6	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	194
CS - 3A	09/24/25	6	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	127
CS - 4A	09/24/25	6	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	226
CS - 5A	09/24/25	6	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	116
CS - 6A	09/24/25	2	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	161
CS - 7A	09/24/25	2	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	194
CS - 8A	09/24/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	273
CS - 9A	09/24/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	177
CS - 10A	09/24/25	2	<0.00200	<0.00400	<50.1	<50.1	<50.1	<50.1	220
CS - 11A	09/24/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	211
CS - 12A	09/24/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	155
CS - 13A	09/24/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	152
CS - 14A	09/24/25	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	172
CS - 15A	09/24/25	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	219
CS - 16A	09/24/25	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	236
CS - 17A	09/24/25	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	269
CS - 18A	09/24/25	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	332

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Ross Draw Unit 43
Eddy County, New Mexico

devon
WPXENERGY

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 - nAPP2513556445									
CS - 19A	09/24/25	2	<0.00202	<0.00403	<50.1	<50.1	<50.1	<50.1	202
CS - 20A	09/24/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	121
CS - 21A	09/24/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	180
CS - 22A	09/24/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	270
CS - 23A	09/24/25	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	120
CS - 24A	09/24/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	331
CS - 25A	09/24/25	2	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	307
CS - 26A	09/24/25	2	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	78.0
CS - 27A	09/24/25	2	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	215
CS - 28A	09/24/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	286
CS - 29A	09/24/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	329
CS - 30A	09/24/25	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	169
CS - 31A	09/24/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	140
CS - 32A	09/24/25	2	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	314
CS - 33A	09/24/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	224
CS - 34A	09/24/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	251
CS - 35A	09/24/25	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	140
CS - 36A	09/24/25	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	127
CS - 37A	09/24/25	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	143
CS - 38A	09/24/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	148
CS - 39A	09/24/25	2	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	257
CS - 40A	09/24/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	366
CS - 41A	09/24/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	390
CS - 42A	09/24/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	394
CS - 43A	09/24/25	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	398
CS - 44A	09/24/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	153
CS - 45A	09/24/25	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	382

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Ross Draw Unit 43
Eddy County, New Mexico

devon WPXENERGY

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 - nAPP2513556445									
CS - 46A	09/24/25	2	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	363
CS - 47A	09/24/25	2	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	190
CS - 48A	09/26/25	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	27.9
CS - 49A	09/26/25	3	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	24.6
CS - 50A	09/26/25	3	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	28.6
CS - 51A	09/26/25	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	25.1
CS - 52A	09/26/25	3	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	27.0
CS - 53A	09/26/25	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	42.0
CS - 54A	09/26/25	3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	37.7
CS - 55A	09/26/25	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	37.7
CS - 56A	09/26/25	3	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	25.6
CS - 57A	09/26/25	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	47.0
CS - 58A	09/26/25	3	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	68.1
CS - 59A	09/26/25	3	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	23.7
CS - 60A	09/26/25	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	32.8
CS - 61A	09/26/25	3	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	45.2
CS - 62A	09/26/25	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	39.9
CS - 63A	09/26/25	3	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	24.8
CS - 64A	09/26/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	33.0
CS - 65A	09/26/25	4	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	42.0
CS - 66A	09/26/25	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	94.6
CS - 67A	09/26/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	177
CS - 68A	09/26/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	1,130
CS - 68A	10/09/25	6	<0.00201	<0.00402	84.7	<49.9	<49.9	84.7	142
CS - 69A	09/26/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	1,270
CS - 69A	10/09/25	6	<0.00201	<0.00402	<50.0	<50.0	70.9	70.9	231
CS - 70A	09/26/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	178

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Earth Systems
Response & Restoration

Table 1
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Ross Draw Unit 43
Eddy County, New Mexico

devon
WPXENERGY

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 - nAPP2513556445									
CS - 71A	09/26/25	4	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	191
CS - 72A	09/26/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	585
CS - 73A	09/26/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	230
CS - 74A	09/26/25	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	33.6
CS - 75A	09/26/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	32.9
CS - 76A	09/26/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	57.4
CS - 77A	09/26/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	68.2
CS - 78A	09/26/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	236
CS - 79A	09/26/25	4	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	119
CS - 80A	09/26/25	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	69.6
CS - 81A	09/26/25	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	59.7
CS - 82A	09/26/25	4	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	43.6
CS - 83A	09/26/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	24.8
CS - 84A	09/26/25	4	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	26.7
CS - 85A	09/26/25	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	47.1
CS - 86A	09/26/25	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	27.6
CS - 87A	09/26/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	29.0
CS - 88A	09/29/25	3	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	268
CS - 89A	09/29/25	3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	320
CS - 90A	09/29/25	3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	337
CS - 91A	09/29/25	3	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	301
CS - 92A	09/29/25	3	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	274
CS - 93A	09/29/25	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	397
CS - 94A	09/29/25	3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	360
CS - 95A	09/29/25	3	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	265
CS - 96A	09/29/25	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	137
CS - 97A	09/29/25	3	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	99.3

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Earth Systems
Response & Restoration

Table 1
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Ross Draw Unit 43
Eddy County, New Mexico

devon WPXENERGY

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 - nAPP2513556445									
CS - 98A	09/29/25	3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	309
CS - 99A	09/29/25	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	256
CS - 100A	09/29/25	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	187
CS - 101A	09/29/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	177
CS - 102A	09/29/25	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	249
CS - 103A	09/29/25	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	109
CS - 104A	09/29/25	2	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	195
CS - 105A	09/29/25	2	<0.00200	<0.00399	<49.8	51.7	<49.8	51.7	677
CS - 105A	10/09/25	3	<0.00201	<0.00402	<49.9	<49.9	66.4	66.4	337
CS - 106A	09/29/25	2	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	240
CS - 107A	09/29/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	192
CS - 108A	09/29/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	208
CS - 109A	09/29/25	2	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	449
CS - 110A	09/29/25	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	408
CS - 111A	09/29/25	2	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	314
CS - 112A	09/29/25	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	154
CS - 113A	09/29/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	210
CS - 114A	09/29/25	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	374
CS - 115A	09/29/25	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	451
CS - 116A	09/29/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	561
CS - 117A	09/29/25	2	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	334
CS - 118A	09/29/25	2	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	328
CS - 119A	09/29/25	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	103
CS - 120A	09/29/25	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	116
CS - 121A	09/29/25	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	105
CS - 122A	09/29/25	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	122
CS - 123A	09/29/25	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	102

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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Response & Restoration

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Ross Draw Unit 43
Eddy County, New Mexico

devon
WPXENERGY

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 - nAPP2513556445									
CS - 124A	09/29/25	1	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	117
CS - 1B	09/23/25	6	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	113
CS - 2B	09/23/25	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	90.1
CS - 3B	09/23/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	103
CS - 4B	09/23/25	2	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	133
CS - 5B	09/23/25	2	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	149
CS - 6B	09/23/25	2	<0.00198	<0.00397	<50.4	<50.4	<50.4	<50.4	93.0
CS - 7B	09/23/25	4	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.5	75.1
CS - 8B	09/23/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	99.4
CS - 9B	09/23/25	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	125
CS - 10B	09/23/25	4	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	75.1
CS - 11B	09/23/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	87.4
CS - 12B	09/23/25	4	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	62.4
CS - 13B	09/23/25	6	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	93.0
CS - 14B	09/23/25	6	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	136
CS - 15B	09/23/25	4	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	107
CS - 16B	09/23/25	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	84.5
CS - 17B	09/23/25	4	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	68.1
CS - 18B	09/23/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	89.5
CS - 19B	09/23/25	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	113
CS - 20B	09/23/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	105
CS - 21B	09/23/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	83.5
CS - 22B	09/23/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	135
CS - 23B	09/23/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	107
CS - 24B	09/23/25	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	114
CS - 25B	09/23/25	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	90.3
CS - 26B	09/29/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	157

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Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Ross Draw Unit 43
Eddy County, New Mexico

devon
WPXENERGY

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 - nAPP2513556445									
CS - 27B	09/29/25	4	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	128
CS - 28B	09/29/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	81.2
SW - 1A	09/24/25	0-6	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	101
SW - 2A	09/24/25	0-2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	250
SW - 3A	09/24/25	0-2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	287
SW - 4A	09/24/25	0-2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	219
SW - 5A	09/24/25	0-2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	294
SW - 6A	09/26/25	0-3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	178
SW - 7A	09/26/25	0-3	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	163
SW - 8A	09/26/25	0-4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	147
SW - 9A	09/26/25	0-4	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	174
SW - 10A	09/26/25	0-4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	159
SW - 11A	09/26/25	0-4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	27.9
SW - 12A	09/29/25	0-3	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	318
SW - 13A	09/29/25	0-3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	147
SW - 14A	09/29/25	0-3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	240
SW - 15A	09/29/25	0-2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	258
SW - 16A	09/29/25	0-2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	144
SW - 17A	09/29/25	0-1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	110
SW - 18A	09/29/25	0-1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	101
SW - 1B	09/23/25	0-6	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	83.6
SW - 2B	09/23/25	0-6	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	88.9
SW - 3B	09/23/25	0-6	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	77.6
SW - 4B	09/23/25	0-2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	102
SW - 5B	09/23/25	0-2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	109
SW - 6B	09/23/25	0-2	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	81.9
SW - 7B	09/23/25	0-2	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	181

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Earth Systems
Response & Restoration

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Ross Draw Unit 43
Eddy County, New Mexico

devon
WPXENERGY

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 - nAPP2513556445									
SW - 8B	09/23/25	0-4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	116
SW - 9B	09/23/25	0-4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	91.0
SW - 10B	09/23/25	0-4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	71.7
SW - 11B	09/23/25	0-4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	88.8
SW - 12B	09/23/25	0-4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	82.7
SW - 13B	09/23/25	0-4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	272
SW - 14B	09/23/25	0-4	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	181
SW - 15B	09/23/25	0-4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	94.2
SW - 16B	09/23/25	0-6	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	190
SW - 17B	09/23/25	0-6	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	83.3
SW - 18B	09/23/25	0-6	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	105
SW - 19B	09/23/25	0-6	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	137
SW - 20B	09/23/25	0-4	<0.00202	<0.00403	<50.1	<50.1	<50.1	<50.1	63.4
SW - 21B	09/23/25	0-4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	87.9
SW - 22B	09/23/25	0-4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	83.9
SW - 23B	09/23/25	0-4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	157
SW - 24B	09/23/25	0-4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	130
SW - 25B	09/23/25	0-4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	119
SW - 26B	09/23/25	0-4	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	115
SW - 27B	09/23/25	0-4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	173
SW - 28B	09/23/25	0-4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	119
SW - 29B	09/23/25	0-4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	98.6
SW - 30B	09/23/25	0-4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	108

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Earth Systems Response & Restoration

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Eddy County, New Mexico

devon WPXENERGY

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 - nAPP2513556445									
SW - 31B	09/23/25	0-4	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	258
SW - 32B	09/23/25	0-4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	121
SW - 33B	09/23/25	0-4	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	109
SW - 34B	09/29/25	0-4	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	93.0
SW - 35B	09/29/25	0-4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	151

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 areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

Outlook

FW: [EXTERNAL] Devon Energy - Well Name: ROSS DRAW UNIT, Well Number: 43, Notification of Sundry Received

From Raley, Jim <Jim.Raley@dvn.com>
Date Mon 7/7/2025 10:14 AM
To Gilbert Moreno <gmoreno@earthsys.net>

1 attachment (2 MB)
ROSS DRAW UNIT 43.pdf;

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

devon

From: Morgan, Crisha A <camorgan@blm.gov>
Sent: Monday, July 7, 2025 9:53 AM
To: Raley, Jim <Jim.Raley@dvn.com>
Subject: Re: [EXTERNAL] Devon Energy - Well Name: ROSS DRAW UNIT, Well Number: 43, Notification of Sundry Received

Bureau of Land Management

HERE YOU GO!

Crisha A. Morgan |Certified - Environmental Protection Specialist | Program Officer|COR| Spills Coordinator| Orphaned & Idled Well POC Lead
Bureau of Land Management | Carlsbad Field Office
620 E. Greene Street Carlsbad, NM 88220
Cell 575-200-8648 | Office 575-234-5987 |camorgan@blm.gov

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From: CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>
Sent: Wednesday, July 2, 2025 6:49 AM
To: Morgan, Crisha A <camorgan@blm.gov>
Subject: Fw: [EXTERNAL] Devon Energy - Well Name: ROSS DRAW UNIT, Well Number: 43, Notification of Sundry Received

Crisha A. Morgan |Certified - Environmental Protection Specialist | Program Officer|COR| Spills Coordinator| Orphaned & Idled Well POC Lead
Bureau of Land Management | Carlsbad Field Office
620 E. Greene Street Carlsbad, NM 88220
Cell 575-200-8648 | Office 575-234-5987 |camorgan@blm.gov

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From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Wednesday, July 2, 2025 6:44:24 AM
To: CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>; Morgan, Crisha A <camorgan@blm.gov>
Cc: Gilbert Moreno <gmoreno@earthsys.net>
Subject: [EXTERNAL] Devon Energy - Well Name: ROSS DRAW UNIT, Well Number: 43, Notification of Sundry Received

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Crisha,
Hoping you could approve sundry for offsite cleanup.
Biological and cultural surveys complete.
Sundry ID: **2861192**

30-015-42017 ROSS DRAW UNIT #043
Surface Location: I-22-26S-30E 2260 FSL 640 FEL
Lat/Long: 32.0269012,-103.8626175 NAD83

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

From: AFMSS <blm-afmss-notifications@blm.gov>
Sent: Wednesday, July 2, 2025 6:41 AM
To: Raley, Jim <Jim.Raley@dvn.com>
Subject: Well Name: ROSS DRAW UNIT, Well Number: 43, Notification of Sundry Received

The Bureau of Land Management

Notice Of Intent Receipt

- Operator Name: **WPX ENERGY PERMIAN LLC**
- Well Name: **ROSS DRAW UNIT**
- Well Number: **43**
- US Well Number: **3001542017**
- Sundry ID: **2861192**

The BLM received your Notice Of Intent, Other sundry on 07/02/2025. This is to notify you that we are processing your sundry.

You may contact the field office if you have any questions.

If we need more information we will contact you. Thank you.

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Outlook

Re: [EXTERNAL] Ross Draw Unit #043 - Extension Request - nAPP2513556445

From Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Date Tue 8/12/2025 10:29 AM
To Gilbert Moreno <gmoreno@earthsys.net>
Cc Raley, Jim <jim.raley@dvn.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. Time extension requested has been granted for 90-days. Remediation Due date has been updated to November 10, 2025.

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 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, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
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: Monday, August 11, 2025 3:42 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Ross Draw Unit #043 - Extension Request - nAPP2513556445

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Monday, August 11, 2025 2:50 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>
Subject: [EXTERNAL] Ross Draw Unit #043 - Extension Request - nAPP2513556445

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Hello,

Earth Sytems R & R (ESRR) on behalf of WPX Energy Permian (WPX) is requesting a final extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Ross Draw Unit #043 (Site).

A produced water and crude oil release was discovered on May 14, 2025, and was subsequently assigned Incident Number nAPP2431628896 and assessed by ESRR on May 18, 2025. On May 22, 2025, ESRR placed oil absorbent booms in off pad areas approved by the BLM to help mitigate impacts. On June 5 and 6, 2025, ESRR performed initial delineation activities via hand tools and oversaw initial excavation efforts on pad by WPX to help mitigate further impacts to off pad areas. ESRR, on behalf of WPX consulted with their approved qualified biologist as well as an archaeologist from Boone Archaeological Resource Consultants, LLC (Boone) for an assessment evaluation related to biological and cultural aspects. A botanical survey for special status plant species with potential to occur in the area [i.e., *Coryphantha robustispina ssp. scheeri (Sheer's beehive cactus)]* yielded negative findings. No species of concern were observed within 100-meters of the proposed work area. A negative cultural report was submitted to the BLM by Boone on June 13, 2025. Continued remediation activities are anticipated to begin end of August 2025.

WPX requests an extension of the August 12, 2025, deadline for the release associated with Incident Number nAPP2513556445, to allow additional time for continued remediation and to allow ESRR to complete a subsequent corrective action closure report upon favorable confirmation laboratory analyticals.

Regards,

Gilbert Moreno | Carlsbad Operations Manager- Project Geologist
1910 Resource Ct | Carlsbad NM, 88220
O. 575.323.9034 M. (832) 541-7719 | gmoreno@earthsys.net

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 470026

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 470026
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #043**
Date Release Discovered	**05/14/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	22,844
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.0269012,-103.8626175

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 470026
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/2/2025

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 470243

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 470243
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #043**
Date Release Discovered	**05/14/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	22,844
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.0269012,-103.8626175

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 470243
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2025

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

QUESTIONS

Action 472080

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 472080
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #043**
Date Release Discovered	**05/14/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	22,844
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/12/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.0269012,-103.8626175

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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 472080
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/9/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/9/2025

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 507063

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 507063
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #043**
Date Release Discovered	**05/14/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	38,326
What is the estimated number of samples that will be gathered	200
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/23/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.026837,-103.862578

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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 507063
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/18/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/18/2025

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 507064

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 507064
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #043**
Date Release Discovered	**05/14/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	38,326
What is the estimated number of samples that will be gathered	200
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/24/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.026837,-103.862578

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 507064
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/18/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/18/2025

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

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 508735

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 508735
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #043**
Date Release Discovered	**05/14/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	38,326
What is the estimated number of samples that will be gathered	200
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.026837,-103.862578

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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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

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 508735
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/24/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/24/2025

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Phone: (505) 476-3441

General Information
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Online Phone Directory
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 508736
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #043**
Date Release Discovered	**05/14/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	38,326
What is the estimated number of samples that will be gathered	200
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.026837,-103.862578

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

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	246289
	Action Number: 508736
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/24/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/24/2025

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

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 512750
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Site Name	**ROSS DRAW UNIT #043**
Date Release Discovered	**05/14/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/09/2025
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.026837,-103.862578

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 512750
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/7/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/7/2025

Outlook

Re: [EXTERNAL] Ross Draw Unit #043 - Extension Request - nAPP2513556445

From Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Date Wed 11/12/2025 7:48 AM
To Gilbert Moreno <gmoreno@earthsys.net>
Cc Raley, Jim <jim.raley@dvn.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Good morning Gilbert,

Thanks for the correspondence. Your 7-day time extension request is approved. Remediation Due date has been updated to November 17, 2025.

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

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, November 7, 2025 11:27 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Ross Draw Unit #043 - Extension Request - nAPP2513556445

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Friday, November 7, 2025 10:25 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>
Subject: [EXTERNAL] Ross Draw Unit #043 - Extension Request - nAPP2513556445

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 WPX Energy Permian (WPX) is requesting a final extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Ross Draw Unit #043 (Site).

Remediation and restoration activities have been completed, and a corrective action closure report is in final review by ESRR.

WPX requests an additional 7 days to the November 10, 2025, deadline for the release associated with Incident Number nAPP2513556445, to allow additional time to submit the subsequent corrective action closure report. WPX anticipates submitting the closure report by November 17, 2025.

Regards,

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

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eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/12/2025 11:14:47 AM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8272-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 1/20/2026 3:27:17 PM

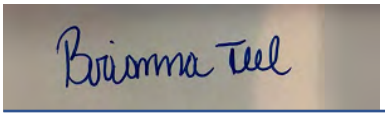
Eurofins Carlsbad

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
6/12/2025 11:14:47 AM

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 51
QC Sample Results 55
QC Association Summary 68
Lab Chronicle 80
Certification Summary 97
Method Summary 98
Sample Summary 99
Chain of Custody 101
Receipt Checklists 115

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy 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.

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.
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: 890-8272-1
Project: Ross Draw Unit 43

Job ID: 890-8272-1 Eurofins Carlsbad

Job Narrative
890-8272-1

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

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

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

Receipt
The samples were received on 6/6/2025 9:30 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 -5.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8272-1), HA - 1 (890-8272-2), HA - 1 (890-8272-3), HA - 1 (890-8272-4), HA - 1 (890-8272-5), HA - 2 (890-8272-6), HA - 2 (890-8272-7), HA - 2 (890-8272-8), HA - 2 (890-8272-9), HA - 2 (890-8272-10), HA - 3 (890-8272-11), HA - 3 (890-8272-12), HA - 3 (890-8272-13), HA - 3 (890-8272-14), HA - 3 (890-8272-15), HA - 4 (890-8272-16), HA - 4 (890-8272-17), HA - 4 (890-8272-18), HA - 4 (890-8272-19), HA - 4 (890-8272-20), HA - 5 (890-8272-21), HA - 5 (890-8272-22), HA - 5 (890-8272-23), HA - 6 (890-8272-24), HA - 6 (890-8272-25), HA - 6 (890-8272-26), HA - 6 (890-8272-27), HA - 6 (890-8272-28), HA - 7 (890-8272-29), HA - 7 (890-8272-30), HA - 7 (890-8272-31), HA - 7 (890-8272-32), HA - 7 (890-8272-33), HA - 8 (890-8272-34), HA - 8 (890-8272-35), HA - 8 (890-8272-36), HA - 8 (890-8272-37), HA - 8 (890-8272-38), HA - 9 (890-8272-39), HA - 9 (890-8272-40), HA - 9 (890-8272-41), HA - 9 (890-8272-42), HA - 9 (890-8272-43), HA - 10 (890-8272-44), HA - 10 (890-8272-45), HA - 11 (890-8272-46), HA - 11 (890-8272-47), HA - 11 (890-8272-48), HA - 12 (890-8272-49), HA - 12 (890-8272-50), HA - 12 (890-8272-51), HA - 13 (890-8272-52), HA - 13 (890-8272-53), HA - 13 (890-8272-54) and HA - 10 (890-8272-55).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-111769 and analytical batch 880-111754 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 7 (890-8272-29) and HA - 9 (890-8272-39). 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: HA - 4 (890-8272-19). 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 control limits: HA - 9 (890-8272-39). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111838 and analytical batch 880-111891 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.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111836 and analytical batch 880-111888 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: 890-8272-1
Project: Ross Draw Unit 43

Job ID: 890-8272-1 (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: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8272-1
Matrix: Solid
Date Collected: 06/05/25 08:00
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 12:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 12:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 12:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:51	06/09/25 12:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 12:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:51	06/09/25 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/09/25 10:51*	*06/09/25 12:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/09/25 10:51*	*06/09/25 12:32*	*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			06/09/25 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**192**		50.0		mg/Kg			06/11/25 21:34	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		06/09/25 08:38	06/11/25 21:34	1
Diesel Range Organics (Over C10-C28)	**192**		50.0		mg/Kg		06/09/25 08:38	06/11/25 21:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/11/25 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/09/25 08:38*	*06/11/25 21:34*	*1*
o-Terphenyl	*89*		*70 - 130*	*06/09/25 08:38*	*06/11/25 21:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19900**	**F1**	502		mg/Kg			06/10/25 18:27	50

Client Sample ID: HA - 1

Lab Sample ID: 890-8272-2
Matrix: Solid
Date Collected: 06/05/25 08:05
Date Received: 06/06/25 09:30
Sample Depth: 1

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		06/09/25 10:51	06/09/25 12:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/09/25 10:51	06/09/25 12:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/09/25 10:51	06/09/25 12:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/09/25 10:51	06/09/25 12:53	1
o-Xylene	**0.00395**		0.00201		mg/Kg		06/09/25 10:51	06/09/25 12:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/09/25 10:51	06/09/25 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/09/25 10:51*	*06/09/25 12:53*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8272-2
Matrix: Solid
Date Collected: 06/05/25 08:05
Date Received: 06/06/25 09:30
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/09/25 10:51*	*06/09/25 12:53*	*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			06/09/25 12:53	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			06/11/25 20:45	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	<50.1	U	50.1		mg/Kg		06/09/25 08:38	06/11/25 20:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/09/25 08:38	06/11/25 20:45	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/09/25 08:38	06/11/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/09/25 08:38*	*06/11/25 20:45*	*1*
o-Terphenyl	*89*		*70 - 130*	*06/09/25 08:38*	*06/11/25 20:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8020**		99.8		mg/Kg			06/10/25 18:49	10

Client Sample ID: HA - 1

Lab Sample ID: 890-8272-3
Matrix: Solid
Date Collected: 06/05/25 08:10
Date Received: 06/06/25 09:30
Sample Depth: 2

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		06/09/25 10:51	06/09/25 13:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 13:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 13:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/25 10:51	06/09/25 13:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 13:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/25 10:51	06/09/25 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*06/09/25 10:51*	*06/09/25 13:13*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*06/09/25 10:51*	*06/09/25 13:13*	*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			06/09/25 13:13	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			06/11/25 21:51	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8272-3
Matrix: Solid
Date Collected: 06/05/25 08:10
Date Received: 06/06/25 09:30
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	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 21:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 21:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/09/25 08:38*	*06/11/25 21:51*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/09/25 08:38*	*06/11/25 21:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**442**		9.92		mg/Kg			06/10/25 18:57	1

Client Sample ID: HA - 1

Lab Sample ID: 890-8272-4
Matrix: Solid
Date Collected: 06/05/25 08:15
Date Received: 06/06/25 09:30
Sample Depth: 3

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		06/09/25 10:51	06/09/25 13:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 13:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 13:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 13:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 13:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/09/25 10:51*	*06/09/25 13:34*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/09/25 10:51*	*06/09/25 13:34*	*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			06/09/25 13:34	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			06/11/25 22:07	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	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 22:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 22:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/09/25 08:38*	*06/11/25 22:07*	*1*
o-Terphenyl	*90*		*70 - 130*	*06/09/25 08:38*	*06/11/25 22:07*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8272-4
Matrix: Solid
Date Collected: 06/05/25 08:15
Date Received: 06/06/25 09:30
Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		9.96		mg/Kg			06/10/25 19:04	1

Client Sample ID: HA - 1

Lab Sample ID: 890-8272-5
Matrix: Solid
Date Collected: 06/05/25 08:20
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 13:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 13:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 13:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/09/25 10:51	06/09/25 13:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 13:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/09/25 10:51	06/09/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/09/25 10:51*	*06/09/25 13:54*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/09/25 10:51*	*06/09/25 13:54*	*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			06/09/25 13:54	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			06/11/25 22:24	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	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/11/25 22:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/11/25 22:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/11/25 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/09/25 08:38*	*06/11/25 22:24*	*1*
o-Terphenyl	*84*		*70 - 130*	*06/09/25 08:38*	*06/11/25 22:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		10.1		mg/Kg			06/10/25 19:11	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Date Collected: 06/05/25 08:25
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-6
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		06/09/25 10:51	06/09/25 14:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 14:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 14:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/25 10:51	06/09/25 14:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 14:15	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/25 10:51	06/09/25 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/09/25 10:51*	*06/09/25 14:15*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/09/25 10:51*	*06/09/25 14:15*	*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			06/09/25 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**533**		50.0		mg/Kg			06/11/25 22:40	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		06/09/25 08:38	06/11/25 22:40	1
Diesel Range Organics (Over C10-C28)	**533**		50.0		mg/Kg		06/09/25 08:38	06/11/25 22:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/11/25 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/09/25 08:38*	*06/11/25 22:40*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/09/25 08:38*	*06/11/25 22:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2110**		50.3		mg/Kg			06/10/25 19:33	5

Client Sample ID: HA - 2

Date Collected: 06/05/25 08:30
Date Received: 06/06/25 09:30
Sample Depth: 1

Lab Sample ID: 890-8272-7
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		06/09/25 10:51	06/09/25 14:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 14:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 14:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/09/25 10:51	06/09/25 14:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 14:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/09/25 10:51	06/09/25 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/09/25 10:51*	*06/09/25 14:35*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8272-7
Matrix: Solid

Date Collected: 06/05/25 08:30
Date Received: 06/06/25 09:30
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/09/25 10:51*	*06/09/25 14:35*	*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			06/09/25 14:35	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			06/11/25 22:57	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	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 22:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 22:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/11/25 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*06/09/25 08:38*	*06/11/25 22:57*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/09/25 08:38*	*06/11/25 22:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**638**		50.3		mg/Kg			06/10/25 19:40	5

Client Sample ID: HA - 2

Lab Sample ID: 890-8272-8
Matrix: Solid

Date Collected: 06/05/25 08:35
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 14:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 14:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 14:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/25 10:51	06/09/25 14:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 14:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/25 10:51	06/09/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/09/25 10:51*	*06/09/25 14:56*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/09/25 10:51*	*06/09/25 14:56*	*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			06/09/25 14:56	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			06/11/25 23:12	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8272-8
Matrix: Solid
Date Collected: 06/05/25 08:35
Date Received: 06/06/25 09:30
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	<49.7	U	49.7		mg/Kg		06/09/25 08:38	06/11/25 23:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/09/25 08:38	06/11/25 23:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/25 08:38	06/11/25 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/09/25 08:38*	*06/11/25 23:12*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/09/25 08:38*	*06/11/25 23:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**122**		9.92		mg/Kg			06/10/25 19:47	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8272-9
Matrix: Solid
Date Collected: 06/05/25 08:40
Date Received: 06/06/25 09:30
Sample Depth: 3

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		06/09/25 10:51	06/09/25 15:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 15:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 15:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/09/25 10:51	06/09/25 15:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:51	06/09/25 15:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/09/25 10:51	06/09/25 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/09/25 10:51*	*06/09/25 15:16*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/09/25 10:51*	*06/09/25 15:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/09/25 15:16	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			06/11/25 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	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/11/25 23:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/11/25 23:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/11/25 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/09/25 08:38*	*06/11/25 23:30*	*1*
o-Terphenyl	*85*		*70 - 130*	*06/09/25 08:38*	*06/11/25 23:30*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8272-9
Matrix: Solid
Date Collected: 06/05/25 08:40
Date Received: 06/06/25 09:30
Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		9.94		mg/Kg			06/10/25 19:55	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8272-10
Matrix: Solid
Date Collected: 06/05/25 08:45
Date Received: 06/06/25 09:30
Sample Depth: 4

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		06/09/25 10:51	06/09/25 15:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 15:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 15:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/25 10:51	06/09/25 15:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 15:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/25 10:51	06/09/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/09/25 10:51*	*06/09/25 15:37*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*06/09/25 10:51*	*06/09/25 15:37*	*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			06/09/25 15:37	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			06/11/25 23:45	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	<49.9	U	49.9		mg/Kg		06/09/25 08:38	06/11/25 23:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:38	06/11/25 23:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:38	06/11/25 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/09/25 08:38*	*06/11/25 23:45*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/09/25 08:38*	*06/11/25 23:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.3		10.1		mg/Kg			06/10/25 20:02	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8272-11
Matrix: Solid
Date Collected: 06/05/25 08:50
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 17:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 17:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 17:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/25 10:51	06/09/25 17:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 17:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/09/25 10:51	06/09/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/09/25 10:51*	*06/09/25 17:57*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/09/25 10:51*	*06/09/25 17:57*	*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			06/09/25 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**635**		50.0		mg/Kg			06/12/25 00:17	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	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/12/25 00:17	1
Diesel Range Organics (Over C10-C28)	**635**		50.0		mg/Kg		06/09/25 08:38	06/12/25 00:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/12/25 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/09/25 08:38*	*06/12/25 00:17*	*1*
o-Terphenyl	*96*		*70 - 130*	*06/09/25 08:38*	*06/12/25 00:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17800**	**F1**	201		mg/Kg			06/10/25 20:09	20

Client Sample ID: HA - 3

Lab Sample ID: 890-8272-12
Matrix: Solid
Date Collected: 06/05/25 08:55
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 18:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 18:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:51	06/09/25 18:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/25 10:51	06/09/25 18:17	1
o-Xylene	**0.00263**		0.00202		mg/Kg		06/09/25 10:51	06/09/25 18:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/09/25 10:51	06/09/25 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/09/25 10:51*	*06/09/25 18:17*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8272-12
Matrix: Solid
Date Collected: 06/05/25 08:55
Date Received: 06/06/25 09:30
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/09/25 10:51*	*06/09/25 18:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/09/25 18:17	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			06/12/25 00:34	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		06/09/25 08:38	06/12/25 00:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/12/25 00:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/12/25 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/09/25 08:38*	*06/12/25 00:34*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/09/25 08:38*	*06/12/25 00:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12300**		200		mg/Kg			06/10/25 20:31	20

Client Sample ID: HA - 3

Lab Sample ID: 890-8272-13
Matrix: Solid
Date Collected: 06/05/25 09:00
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 18:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 18:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 18:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:51	06/09/25 18:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 18:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:51	06/09/25 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/09/25 10:51*	*06/09/25 18:38*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/09/25 10:51*	*06/09/25 18:38*	*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			06/09/25 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/12/25 00:49	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8272-13
Matrix: Solid
Date Collected: 06/05/25 09:00
Date Received: 06/06/25 09:30
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		06/09/25 08:38	06/12/25 00:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:38	06/12/25 00:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:38	06/12/25 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/09/25 08:38*	*06/12/25 00:49*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/09/25 08:38*	*06/12/25 00:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6150**		100		mg/Kg			06/10/25 20:38	10

Client Sample ID: HA - 3

Lab Sample ID: 890-8272-14
Matrix: Solid
Date Collected: 06/05/25 09:05
Date Received: 06/06/25 09:30
Sample Depth: 3

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		06/09/25 10:51	06/09/25 18:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 18:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 18:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 18:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 18:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/09/25 10:51*	*06/09/25 18:58*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/09/25 10:51*	*06/09/25 18:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/09/25 18:58	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			06/12/25 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		06/09/25 08:38	06/12/25 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:38	06/12/25 01:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:38	06/12/25 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*06/09/25 08:38*	*06/12/25 01:06*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/09/25 08:38*	*06/12/25 01:06*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 3
Date Collected: 06/05/25 09:05
Date Received: 06/06/25 09:30
Sample Depth: 3

Lab Sample ID: 890-8272-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		9.98		mg/Kg			06/10/25 21:00	1

Client Sample ID: HA - 3
Date Collected: 06/05/25 09:10
Date Received: 06/06/25 09:30
Sample Depth: 4

Lab Sample ID: 890-8272-15
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		06/09/25 10:51	06/09/25 19:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 19:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 19:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 19:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 19:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/09/25 10:51*	*06/09/25 19:19*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/09/25 10:51*	*06/09/25 19:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/09/25 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/12/25 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		06/09/25 08:38	06/12/25 01:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/12/25 01:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/12/25 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*06/09/25 08:38*	*06/12/25 01:21*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/09/25 08:38*	*06/12/25 01:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		10.0		mg/Kg			06/10/25 21:08	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8272-16
Matrix: Solid
Date Collected: 06/05/25 09:15
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 19:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 19:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 19:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:51	06/09/25 19:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 19:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:51	06/09/25 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/09/25 10:51*	*06/09/25 19:39*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/09/25 10:51*	*06/09/25 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			06/09/25 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**166**		49.8		mg/Kg			06/12/25 01:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/12/25 01:38	1
Diesel Range Organics (Over C10-C28)	**166**		49.8		mg/Kg		06/09/25 08:38	06/12/25 01:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:38	06/12/25 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*06/09/25 08:38*	*06/12/25 01:38*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/09/25 08:38*	*06/12/25 01:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2140**		49.8		mg/Kg			06/10/25 21:15	5

Client Sample ID: HA - 4

Lab Sample ID: 890-8272-17
Matrix: Solid
Date Collected: 06/05/25 09:20
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 20:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 20:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 20:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/09/25 10:51	06/09/25 20:00	1
o-Xylene	**0.0144**		0.00200		mg/Kg		06/09/25 10:51	06/09/25 20:00	1
Xylenes, Total	**0.0144**		0.00401		mg/Kg		06/09/25 10:51	06/09/25 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*06/09/25 10:51*	*06/09/25 20:00*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8272-17
Matrix: Solid

Date Collected: 06/05/25 09:20
Date Received: 06/06/25 09:30
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/09/25 10:51*	*06/09/25 20:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0144**		0.00401		mg/Kg			06/09/25 20:00	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			06/12/25 01:53	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	49.6		mg/Kg		06/09/25 08:38	06/12/25 01:53	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/09/25 08:38	06/12/25 01:53	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/09/25 08:38	06/12/25 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:38*	*06/12/25 01:53*	*1*
o-Terphenyl	*80*		*70 - 130*	*06/09/25 08:38*	*06/12/25 01:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8900**		202		mg/Kg			06/10/25 21:22	20

Client Sample ID: HA - 4

Lab Sample ID: 890-8272-18
Matrix: Solid

Date Collected: 06/05/25 09:25
Date Received: 06/06/25 09:30
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		06/09/25 10:51	06/09/25 20:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 20:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 20:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 20:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 20:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/09/25 10:51*	*06/09/25 20:21*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*06/09/25 10:51*	*06/09/25 20:21*	*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			06/09/25 20:21	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			06/12/25 02:10	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8272-18
Matrix: Solid
Date Collected: 06/05/25 09:25
Date Received: 06/06/25 09:30
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		06/09/25 08:38	06/12/25 02:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/12/25 02:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:38	06/12/25 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*06/09/25 08:38*	*06/12/25 02:10*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/09/25 08:38*	*06/12/25 02:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**461**		10.0		mg/Kg			06/10/25 21:30	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8272-19
Matrix: Solid
Date Collected: 06/05/25 09:30
Date Received: 06/06/25 09:30
Sample Depth: 3

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		06/09/25 10:51	06/09/25 20:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 20:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 20:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 20:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:51	06/09/25 20:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:51	06/09/25 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/09/25 10:51*	*06/09/25 20:41*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*06/09/25 10:51*	*06/09/25 20:41*	*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			06/09/25 20:41	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			06/11/25 12:43	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		06/09/25 08:41	06/11/25 12:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 12:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/09/25 08:41*	*06/11/25 12:43*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 12:43*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 4
Date Collected: 06/05/25 09:30
Date Received: 06/06/25 09:30
Sample Depth: 3

Lab Sample ID: 890-8272-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		10.0		mg/Kg			06/10/25 21:37	1

Client Sample ID: HA - 4
Date Collected: 06/05/25 09:35
Date Received: 06/06/25 09:30
Sample Depth: 4

Lab Sample ID: 890-8272-20
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		06/09/25 10:51	06/09/25 21:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 21:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 21:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:51	06/09/25 21:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 21:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:51	06/09/25 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/09/25 10:51*	*06/09/25 21:02*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/09/25 10:51*	*06/09/25 21:02*	*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			06/09/25 21:02	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			06/11/25 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 13:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 13:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*06/09/25 08:41*	*06/11/25 13:31*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/09/25 08:41*	*06/11/25 13:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		9.96		mg/Kg			06/10/25 21:44	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Date Collected: 06/05/25 09:40
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-21
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		06/09/25 10:53	06/09/25 12:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 12:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 12:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:53	06/09/25 12:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 12:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:53	06/09/25 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/09/25 10:53*	*06/09/25 12:52*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/09/25 10:53*	*06/09/25 12:52*	*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			06/09/25 12:52	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			06/11/25 13:46	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		06/09/25 08:41	06/11/25 13:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 13:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/09/25 08:41*	*06/11/25 13:46*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/09/25 08:41*	*06/11/25 13:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**		9.94		mg/Kg			06/10/25 22:43	1

Client Sample ID: HA - 5

Date Collected: 06/05/25 09:50
Date Received: 06/06/25 09:30
Sample Depth: 2

Lab Sample ID: 890-8272-22
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		06/09/25 10:53	06/09/25 13:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/09/25 10:53	06/09/25 13:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/09/25 10:53	06/09/25 13:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/09/25 10:53	06/09/25 13:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/09/25 10:53	06/09/25 13:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/09/25 10:53	06/09/25 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/09/25 10:53*	*06/09/25 13:12*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8272-22
Matrix: Solid
Date Collected: 06/05/25 09:50
Date Received: 06/06/25 09:30
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/09/25 10:53*	*06/09/25 13:12*	*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			06/09/25 13:12	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			06/11/25 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 14:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*06/09/25 08:41*	*06/11/25 14:02*	*1*
o-Terphenyl	*71*		*70 - 130*	*06/09/25 08:41*	*06/11/25 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**257**		10.1		mg/Kg			06/10/25 23:05	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8272-23
Matrix: Solid
Date Collected: 06/05/25 10:00
Date Received: 06/06/25 09:30
Sample Depth: 4

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		06/09/25 10:53	06/09/25 13:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 13:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 13:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/25 10:53	06/09/25 13:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 13:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/25 10:53	06/09/25 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*06/09/25 10:53*	*06/09/25 13:33*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/09/25 10:53*	*06/09/25 13:33*	*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			06/09/25 13:33	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			06/11/25 14:20	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8272-23
Matrix: Solid
Date Collected: 06/05/25 10:00
Date Received: 06/06/25 09:30
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		06/09/25 08:41	06/11/25 14:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 14:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*06/09/25 08:41*	*06/11/25 14:20*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/09/25 08:41*	*06/11/25 14:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		9.92		mg/Kg			06/10/25 23:12	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8272-24
Matrix: Solid
Date Collected: 06/05/25 10:05
Date Received: 06/06/25 09:30
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		06/09/25 10:53	06/09/25 13:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 13:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 13:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:53	06/09/25 13:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 13:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:53	06/09/25 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*06/09/25 10:53*	*06/09/25 13:53*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/09/25 10:53*	*06/09/25 13:53*	*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			06/09/25 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**222**		50.3		mg/Kg			06/11/25 14:36	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	<50.3	U	50.3		mg/Kg		06/09/25 08:41	06/11/25 14:36	1
Diesel Range Organics (Over C10-C28)	**222**		50.3		mg/Kg		06/09/25 08:41	06/11/25 14:36	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		06/09/25 08:41	06/11/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 14:36*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 14:36*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Collected: 06/05/25 10:05
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-24
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17300	F1	198		mg/Kg			06/11/25 01:26	20

Client Sample ID: HA - 6

Date Collected: 06/05/25 10:10
Date Received: 06/06/25 09:30
Sample Depth: 1

Lab Sample ID: 890-8272-25
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		06/09/25 10:53	06/09/25 14:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 14:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 14:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/09/25 10:53	06/09/25 14:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 14:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/09/25 10:53	06/09/25 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/09/25 10:53*	*06/09/25 14:14*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/09/25 10:53*	*06/09/25 14:14*	*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			06/09/25 14:14	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			06/11/25 14:52	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	<50.1	U	50.1		mg/Kg		06/09/25 08:41	06/11/25 14:52	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/09/25 08:41	06/11/25 14:52	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/09/25 08:41	06/11/25 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/09/25 08:41*	*06/11/25 14:52*	*1*
o-Terphenyl	*77*		*70 - 130*	*06/09/25 08:41*	*06/11/25 14:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14500		200		mg/Kg			06/11/25 01:48	20

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8272-26
Matrix: Solid
Date Collected: 06/05/25 10:15
Date Received: 06/06/25 09:30
Sample Depth: 2

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		06/09/25 10:53	06/09/25 14:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 14:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 14:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/25 10:53	06/09/25 14:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 14:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/25 10:53	06/09/25 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/09/25 10:53*	*06/09/25 14:34*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/09/25 10:53*	*06/09/25 14:34*	*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			06/09/25 14:34	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			06/11/25 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 15:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 15:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/09/25 08:41*	*06/11/25 15:08*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/09/25 08:41*	*06/11/25 15:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1440**		50.2		mg/Kg			06/11/25 01:55	5

Client Sample ID: HA - 6

Lab Sample ID: 890-8272-27
Matrix: Solid
Date Collected: 06/05/25 10:20
Date Received: 06/06/25 09:30
Sample Depth: 3

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		06/09/25 10:53	06/09/25 14:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 14:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 14:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/09/25 10:53	06/09/25 14:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 14:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/09/25 10:53	06/09/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/09/25 10:53*	*06/09/25 14:54*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Collected: 06/05/25 10:20
Date Received: 06/06/25 09:30
Sample Depth: 3

Lab Sample ID: 890-8272-27
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/25 10:53*	*06/09/25 14:54*	*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			06/09/25 14:54	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			06/11/25 15:24	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	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 15:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/09/25 08:41*	*06/11/25 15:24*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 15:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		10.1		mg/Kg			06/11/25 02:02	1

Client Sample ID: HA - 6

Date Collected: 06/05/25 10:25
Date Received: 06/06/25 09:30
Sample Depth: 4

Lab Sample ID: 890-8272-28
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		06/09/25 10:53	06/09/25 15:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 15:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 15:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/25 10:53	06/09/25 15:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 15:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/25 10:53	06/09/25 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*06/09/25 10:53*	*06/09/25 15:15*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/09/25 10:53*	*06/09/25 15:15*	*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			06/09/25 15:15	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			06/11/25 15:40	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8272-28
Matrix: Solid
Date Collected: 06/05/25 10:25
Date Received: 06/06/25 09:30
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	<49.8	U	49.8		mg/Kg		06/09/25 08:41	06/11/25 15:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:41	06/11/25 15:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:41	06/11/25 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/09/25 08:41*	*06/11/25 15:40*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/09/25 08:41*	*06/11/25 15:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**178**		10.0		mg/Kg			06/11/25 02:09	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8272-29
Matrix: Solid
Date Collected: 06/05/25 10:30
Date Received: 06/06/25 09:30
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		06/09/25 10:53	06/09/25 15:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 15:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 15:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/09/25 10:53	06/09/25 15:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/09/25 10:53	06/09/25 15:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/09/25 10:53	06/09/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*06/09/25 10:53*	*06/09/25 15:35*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*06/09/25 10:53*	*06/09/25 15:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/09/25 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**199**		49.7		mg/Kg			06/11/25 16:12	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	<49.7	U	49.7		mg/Kg		06/09/25 08:41	06/11/25 16:12	1
Diesel Range Organics (Over C10-C28)	**199**		49.7		mg/Kg		06/09/25 08:41	06/11/25 16:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/25 08:41	06/11/25 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 16:12*	*1*
o-Terphenyl	*78*		*70 - 130*	*06/09/25 08:41*	*06/11/25 16:12*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 7
Date Collected: 06/05/25 10:30
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-29
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17500		497		mg/Kg			06/11/25 02:30	50

Client Sample ID: HA - 7
Date Collected: 06/05/25 10:35
Date Received: 06/06/25 09:30
Sample Depth: 1

Lab Sample ID: 890-8272-30
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		06/09/25 10:53	06/09/25 15:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 15:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 15:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/25 10:53	06/09/25 15:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 15:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/25 10:53	06/09/25 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/09/25 10:53*	*06/09/25 15:56*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/09/25 10:53*	*06/09/25 15:56*	*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			06/09/25 15:56	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			06/11/25 16:28	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		06/09/25 08:41	06/11/25 16:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/09/25 08:41	06/11/25 16:28	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/25 08:41	06/11/25 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 16:28*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/09/25 08:41*	*06/11/25 16:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5220		49.9		mg/Kg			06/11/25 02:37	5

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8272-31
Matrix: Solid
Date Collected: 06/05/25 10:40
Date Received: 06/06/25 09:30
Sample Depth: 2

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		06/09/25 10:53	06/09/25 17:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 17:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 17:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/25 10:53	06/09/25 17:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 17:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/09/25 10:53	06/09/25 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/09/25 10:53*	*06/09/25 17:46*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/09/25 10:53*	*06/09/25 17:46*	*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			06/09/25 17:46	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			06/11/25 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 16:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/09/25 08:41*	*06/11/25 16:44*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 16:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3580**		49.9		mg/Kg			06/11/25 02:44	5

Client Sample ID: HA - 7

Lab Sample ID: 890-8272-32
Matrix: Solid
Date Collected: 06/05/25 10:45
Date Received: 06/06/25 09:30
Sample Depth: 3

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		06/09/25 10:53	06/09/25 18:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 18:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 18:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/25 10:53	06/09/25 18:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:53	06/09/25 18:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/09/25 10:53	06/09/25 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/09/25 10:53*	*06/09/25 18:07*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8272-32
Matrix: Solid

Date Collected: 06/05/25 10:45
Date Received: 06/06/25 09:30
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/09/25 10:53*	*06/09/25 18:07*	*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			06/09/25 18:07	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			06/11/25 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		06/09/25 08:41	06/11/25 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/09/25 08:41*	*06/11/25 17:00*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 17:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**207**		10.1		mg/Kg			06/11/25 02:52	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8272-33
Matrix: Solid

Date Collected: 06/05/25 10:50
Date Received: 06/06/25 09:30
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		06/09/25 10:53	06/09/25 18:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 18:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 18:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:53	06/09/25 18:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 18:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:53	06/09/25 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/09/25 10:53*	*06/09/25 18:27*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/09/25 10:53*	*06/09/25 18:27*	*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			06/09/25 18:27	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			06/11/25 17:16	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8272-33
Matrix: Solid
Date Collected: 06/05/25 10:50
Date Received: 06/06/25 09:30
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		06/09/25 08:41	06/11/25 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 17:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*06/09/25 08:41*	*06/11/25 17:16*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/09/25 08:41*	*06/11/25 17:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1130**		100		mg/Kg			06/11/25 02:59	10

Client Sample ID: HA - 8

Lab Sample ID: 890-8272-34
Matrix: Solid
Date Collected: 06/05/25 10:55
Date Received: 06/06/25 09:30
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		06/09/25 10:53	06/09/25 18:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 18:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 18:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:53	06/09/25 18:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 18:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:53	06/09/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/09/25 10:53*	*06/09/25 18:48*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/09/25 10:53*	*06/09/25 18:48*	*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			06/09/25 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**337**		49.8		mg/Kg			06/11/25 17:32	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	<49.8	U	49.8		mg/Kg		06/09/25 08:41	06/11/25 17:32	1
Diesel Range Organics (Over C10-C28)	**337**		49.8		mg/Kg		06/09/25 08:41	06/11/25 17:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:41	06/11/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*06/09/25 08:41*	*06/11/25 17:32*	*1*
o-Terphenyl	*77*		*70 - 130*	*06/09/25 08:41*	*06/11/25 17:32*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 8
Date Collected: 06/05/25 10:55
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-34
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15600	F1	199		mg/Kg			06/11/25 03:06	20

Client Sample ID: HA - 8
Date Collected: 06/05/25 11:00
Date Received: 06/06/25 09:30
Sample Depth: 1

Lab Sample ID: 890-8272-35
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		06/09/25 10:53	06/09/25 19:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 19:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 19:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:53	06/09/25 19:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 19:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:53	06/09/25 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/09/25 10:53*	*06/09/25 19:08*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/09/25 10:53*	*06/09/25 19:08*	*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			06/09/25 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/11/25 17:48	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	<49.7	U	49.7		mg/Kg		06/09/25 08:41	06/11/25 17:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/09/25 08:41	06/11/25 17:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/25 08:41	06/11/25 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*06/09/25 08:41*	*06/11/25 17:48*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/09/25 08:41*	*06/11/25 17:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7440		101		mg/Kg			06/11/25 03:27	10

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 8

Date Collected: 06/05/25 11:05
Date Received: 06/06/25 09:30
Sample Depth: 2

Lab Sample ID: 890-8272-36
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		06/09/25 10:53	06/09/25 19:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 19:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 19:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:53	06/09/25 19:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 19:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:53	06/09/25 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/09/25 10:53*	*06/09/25 19:29*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/09/25 10:53*	*06/09/25 19:29*	*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			06/09/25 19:29	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			06/11/25 18:04	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		06/09/25 08:41	06/11/25 18:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 18:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:41	06/11/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 18:04*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/09/25 08:41*	*06/11/25 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1350**		10.0		mg/Kg			06/11/25 03:34	1

Client Sample ID: HA - 8

Date Collected: 06/05/25 11:10
Date Received: 06/06/25 09:30
Sample Depth: 3

Lab Sample ID: 890-8272-37
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		06/09/25 10:53	06/09/25 19:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 19:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 19:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/09/25 10:53	06/09/25 19:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 19:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/09/25 10:53	06/09/25 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/09/25 10:53*	*06/09/25 19:49*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8272-37
Matrix: Solid
Date Collected: 06/05/25 11:10
Date Received: 06/06/25 09:30
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/25 10:53*	*06/09/25 19:49*	*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			06/09/25 19:49	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			06/11/25 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 18:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 18:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:41	06/11/25 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*06/09/25 08:41*	*06/11/25 18:20*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/09/25 08:41*	*06/11/25 18:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**774**		10.0		mg/Kg			06/11/25 03:55	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8272-38
Matrix: Solid
Date Collected: 06/05/25 11:15
Date Received: 06/06/25 09:30
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		06/09/25 10:53	06/09/25 20:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 20:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 20:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:53	06/09/25 20:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:53	06/09/25 20:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:53	06/09/25 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*06/09/25 10:53*	*06/09/25 20:09*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*06/09/25 10:53*	*06/09/25 20:09*	*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			06/09/25 20:09	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			06/11/25 18:36	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8272-38
Matrix: Solid
Date Collected: 06/05/25 11:15
Date Received: 06/06/25 09:30
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	<49.8	U	49.8		mg/Kg		06/09/25 08:41	06/11/25 18:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:41	06/11/25 18:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:41	06/11/25 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/09/25 08:41*	*06/11/25 18:36*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/09/25 08:41*	*06/11/25 18:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**277**		10.0		mg/Kg			06/11/25 04:03	1

Client Sample ID: HA - 9

Lab Sample ID: 890-8272-39
Matrix: Solid
Date Collected: 06/05/25 11:20
Date Received: 06/06/25 09:30
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		06/09/25 10:53	06/09/25 20:30	1
Toluene	**0.0376**		0.00199		mg/Kg		06/09/25 10:53	06/09/25 20:30	1
Ethylbenzene	**0.163**		0.00199		mg/Kg		06/09/25 10:53	06/09/25 20:30	1
m-Xylene & p-Xylene	**0.446**		0.00398		mg/Kg		06/09/25 10:53	06/09/25 20:30	1
o-Xylene	**0.250**		0.00199		mg/Kg		06/09/25 10:53	06/09/25 20:30	1
Xylenes, Total	**0.696**		0.00398		mg/Kg		06/09/25 10:53	06/09/25 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*182*	*S1+*	*70 - 130*	*06/09/25 10:53*	*06/09/25 20:30*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*06/09/25 10:53*	*06/09/25 20:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.897**		0.00398		mg/Kg			06/09/25 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**8380**		1000		mg/Kg			06/11/25 21:34	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	<1000	U	1000		mg/Kg		06/09/25 08:45	06/11/25 21:34	20
Diesel Range Organics (Over C10-C28)	**8380**		1000		mg/Kg		06/09/25 08:45	06/11/25 21:34	20
Oil Range Organics (Over C28-C36)	<1000	U	1000		mg/Kg		06/09/25 08:45	06/11/25 21:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*06/09/25 08:45*	*06/11/25 21:34*	*20*
o-Terphenyl	*261*	*S1+*	*70 - 130*	*06/09/25 08:45*	*06/11/25 21:34*	*20*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8272-39
Matrix: Solid
Date Collected: 06/05/25 11:20
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8250**		99.0		mg/Kg			06/10/25 23:20	10

Client Sample ID: HA - 9

Lab Sample ID: 890-8272-40
Matrix: Solid
Date Collected: 06/05/25 11:25
Date Received: 06/06/25 09:30
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		06/09/25 10:53	06/09/25 20:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 20:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 20:50	1
m-Xylene & p-Xylene	**0.0134**		0.00399		mg/Kg		06/09/25 10:53	06/09/25 20:50	1
o-Xylene	**0.0118**		0.00200		mg/Kg		06/09/25 10:53	06/09/25 20:50	1
Xylenes, Total	**0.0252**		0.00399		mg/Kg		06/09/25 10:53	06/09/25 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/09/25 10:53*	*06/09/25 20:50*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*06/09/25 10:53*	*06/09/25 20:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0252**		0.00399		mg/Kg			06/09/25 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**89.8**		50.0		mg/Kg			06/11/25 20:45	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		06/09/25 08:45	06/11/25 20:45	1
Diesel Range Organics (Over C10-C28)	**89.8**		50.0		mg/Kg		06/09/25 08:45	06/11/25 20:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/11/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*06/09/25 08:45*	*06/11/25 20:45*	*1*
o-Terphenyl	*75*		*70 - 130*	*06/09/25 08:45*	*06/11/25 20:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23600**		495		mg/Kg			06/10/25 23:27	50

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 9

Date Collected: 06/05/25 11:30
Date Received: 06/06/25 09:30
Sample Depth: 2

Lab Sample ID: 890-8272-41
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		06/09/25 10:11	06/09/25 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 11:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:11	06/09/25 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 11:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:11	06/09/25 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/09/25 10:11*	*06/09/25 11:52*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/25 10:11*	*06/09/25 11:52*	*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			06/09/25 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.8**		50.0		mg/Kg			06/11/25 21:51	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	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/11/25 21:51	1
Diesel Range Organics (Over C10-C28)	**62.8**		50.0		mg/Kg		06/09/25 08:45	06/11/25 21:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/11/25 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:45*	*06/11/25 21:51*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/09/25 08:45*	*06/11/25 21:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8890**		99.8		mg/Kg			06/10/25 23:49	10

Client Sample ID: HA - 9

Date Collected: 06/05/25 11:35
Date Received: 06/06/25 09:30
Sample Depth: 3

Lab Sample ID: 890-8272-42
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		06/09/25 10:11	06/09/25 12:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/09/25 10:11	06/09/25 12:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/09/25 10:11	06/09/25 12:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/09/25 10:11	06/09/25 12:12	1
o-Xylene	**0.0138**		0.00201		mg/Kg		06/09/25 10:11	06/09/25 12:12	1
Xylenes, Total	**0.0138**		0.00402		mg/Kg		06/09/25 10:11	06/09/25 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/09/25 10:11*	*06/09/25 12:12*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8272-42
Matrix: Solid

Date Collected: 06/05/25 11:35
Date Received: 06/06/25 09:30
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/09/25 10:11*	*06/09/25 12:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0138**		0.00402		mg/Kg			06/09/25 12:12	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			06/11/25 22:07	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	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 22:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 22:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:45*	*06/11/25 22:07*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/09/25 08:45*	*06/11/25 22:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**280**		10.0		mg/Kg			06/10/25 23:56	1

Client Sample ID: HA - 9

Lab Sample ID: 890-8272-43
Matrix: Solid

Date Collected: 06/05/25 11:40
Date Received: 06/06/25 09:30
Sample Depth: 4

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		06/09/25 10:11	06/09/25 12:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:11	06/09/25 12:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:11	06/09/25 12:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/09/25 10:11	06/09/25 12:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:11	06/09/25 12:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/09/25 10:11	06/09/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/09/25 10:11*	*06/09/25 12:33*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/09/25 10:11*	*06/09/25 12:33*	*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			06/09/25 12:33	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			06/11/25 22:24	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8272-43
Matrix: Solid
Date Collected: 06/05/25 11:40
Date Received: 06/06/25 09:30
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	<49.7	U	49.7		mg/Kg		06/09/25 08:45	06/11/25 22:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/09/25 08:45	06/11/25 22:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/25 08:45	06/11/25 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*06/09/25 08:45*	*06/11/25 22:24*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/09/25 08:45*	*06/11/25 22:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**430**		10.1		mg/Kg			06/11/25 00:04	1

Client Sample ID: HA - 10

Lab Sample ID: 890-8272-44
Matrix: Solid
Date Collected: 06/05/25 11:45
Date Received: 06/06/25 09:30
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		06/09/25 10:11	06/09/25 16:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:11	06/09/25 16:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:11	06/09/25 16:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/25 10:11	06/09/25 16:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:11	06/09/25 16:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/09/25 10:11	06/09/25 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/09/25 10:11*	*06/09/25 16:18*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/25 10:11*	*06/09/25 16:18*	*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			06/09/25 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**103**		49.8		mg/Kg			06/11/25 22:40	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	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 22:40	1
Diesel Range Organics (Over C10-C28)	**103**		49.8		mg/Kg		06/09/25 08:45	06/11/25 22:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:45*	*06/11/25 22:40*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/09/25 08:45*	*06/11/25 22:40*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 10

Date Collected: 06/05/25 11:45
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-44

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**529**		10.1		mg/Kg			06/11/25 00:11	1

Client Sample ID: HA - 10

Date Collected: 06/05/25 11:50
Date Received: 06/06/25 09:30
Sample Depth: 2

Lab Sample ID: 890-8272-45

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		06/09/25 10:11	06/09/25 16:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:11	06/09/25 16:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:11	06/09/25 16:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/25 10:11	06/09/25 16:39	1
o-Xylene	**0.0160**		0.00202		mg/Kg		06/09/25 10:11	06/09/25 16:39	1
Xylenes, Total	**0.0160**		0.00403		mg/Kg		06/09/25 10:11	06/09/25 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/09/25 10:11*	*06/09/25 16:39*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/09/25 10:11*	*06/09/25 16:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0160**		0.00403		mg/Kg			06/09/25 16:39	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			06/11/25 22:57	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	<49.9	U	49.9		mg/Kg		06/09/25 08:45	06/11/25 22:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:45	06/11/25 22:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:45	06/11/25 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:45*	*06/11/25 22:57*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/09/25 08:45*	*06/11/25 22:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**979**		10.0		mg/Kg			06/11/25 00:18	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 11

Date Collected: 06/05/25 12:00
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-46
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		06/09/25 10:11	06/09/25 16:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 16:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 16:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:11	06/09/25 16:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 16:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:11	06/09/25 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/09/25 10:11*	*06/09/25 16:59*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/09/25 10:11*	*06/09/25 16:59*	*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			06/09/25 16:59	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			06/11/25 23:12	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	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/11/25 23:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/11/25 23:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/11/25 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:45*	*06/11/25 23:12*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/09/25 08:45*	*06/11/25 23:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**447**		9.94		mg/Kg			06/11/25 00:26	1

Client Sample ID: HA - 11

Date Collected: 06/05/25 12:05
Date Received: 06/06/25 09:30
Sample Depth: 2

Lab Sample ID: 890-8272-47
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		06/09/25 10:11	06/09/25 17:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 17:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 17:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:11	06/09/25 17:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 17:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:11	06/09/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/09/25 10:11*	*06/09/25 17:20*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 11

Lab Sample ID: 890-8272-47
Matrix: Solid
Date Collected: 06/05/25 12:05
Date Received: 06/06/25 09:30
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/09/25 10:11*	*06/09/25 17:20*	*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			06/09/25 17:20	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			06/11/25 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	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 23:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 23:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*06/09/25 08:45*	*06/11/25 23:30*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/09/25 08:45*	*06/11/25 23:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**846**		9.96		mg/Kg			06/11/25 00:48	1

Client Sample ID: HA - 11

Lab Sample ID: 890-8272-48
Matrix: Solid
Date Collected: 06/05/25 12:10
Date Received: 06/06/25 09:30
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		06/09/25 10:11	06/09/25 17:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 17:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 17:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:11	06/09/25 17:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 17:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:11	06/09/25 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/09/25 10:11*	*06/09/25 17:40*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/09/25 10:11*	*06/09/25 17:40*	*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			06/09/25 17:40	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			06/11/25 23:45	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 11

Lab Sample ID: 890-8272-48
Matrix: Solid
Date Collected: 06/05/25 12:10
Date Received: 06/06/25 09:30
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	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 23:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 23:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/11/25 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:45*	*06/11/25 23:45*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/09/25 08:45*	*06/11/25 23:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		10.0		mg/Kg			06/11/25 00:55	1

Client Sample ID: HA - 12

Lab Sample ID: 890-8272-49
Matrix: Solid
Date Collected: 06/05/25 12:15
Date Received: 06/06/25 09:30
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		06/09/25 10:11	06/09/25 18:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 18:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 18:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:11	06/09/25 18:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 18:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:11	06/09/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*06/09/25 10:11*	*06/09/25 18:00*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/09/25 10:11*	*06/09/25 18:00*	*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			06/09/25 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**511**		49.7		mg/Kg			06/12/25 00:17	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	<49.7	U	49.7		mg/Kg		06/09/25 08:45	06/12/25 00:17	1
Diesel Range Organics (Over C10-C28)	**511**		49.7		mg/Kg		06/09/25 08:45	06/12/25 00:17	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/25 08:45	06/12/25 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*06/09/25 08:45*	*06/12/25 00:17*	*1*
o-Terphenyl	*80*		*70 - 130*	*06/09/25 08:45*	*06/12/25 00:17*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 12

Date Collected: 06/05/25 12:15
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-49
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2970**		50.4		mg/Kg			06/11/25 01:17	5

Client Sample ID: HA - 12

Date Collected: 06/05/25 12:20
Date Received: 06/06/25 09:30
Sample Depth: 2

Lab Sample ID: 890-8272-50
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		06/09/25 10:11	06/09/25 18:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 18:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 18:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/09/25 10:11	06/09/25 18:21	1
o-Xylene	**0.00612**		0.00200		mg/Kg		06/09/25 10:11	06/09/25 18:21	1
Xylenes, Total	**0.00612**		0.00401		mg/Kg		06/09/25 10:11	06/09/25 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*06/09/25 10:11*	*06/09/25 18:21*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/25 10:11*	*06/09/25 18:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00612**		0.00401		mg/Kg			06/09/25 18:21	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			06/12/25 00:34	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		06/09/25 08:45	06/12/25 00:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/12/25 00:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/12/25 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*06/09/25 08:45*	*06/12/25 00:34*	*1*
o-Terphenyl	*74*		*70 - 130*	*06/09/25 08:45*	*06/12/25 00:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3950**		50.1		mg/Kg			06/11/25 01:24	5

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 12

Date Collected: 06/05/25 12:25
Date Received: 06/06/25 09:30
Sample Depth: 4

Lab Sample ID: 890-8272-51
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		06/09/25 10:11	06/09/25 18:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 18:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 18:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:11	06/09/25 18:41	1
o-Xylene	**0.00369**		0.00199		mg/Kg		06/09/25 10:11	06/09/25 18:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:11	06/09/25 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*06/09/25 10:11*	*06/09/25 18:41*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/09/25 10:11*	*06/09/25 18:41*	*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			06/09/25 18:41	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			06/12/25 00:49	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		06/09/25 08:45	06/12/25 00:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/12/25 00:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/12/25 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*06/09/25 08:45*	*06/12/25 00:49*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/09/25 08:45*	*06/12/25 00:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**216**		10.0		mg/Kg			06/11/25 01:32	1

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:30
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-52
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		06/09/25 10:11	06/09/25 19:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 19:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 19:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/09/25 10:11	06/09/25 19:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/09/25 10:11	06/09/25 19:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/09/25 10:11	06/09/25 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/09/25 10:11*	*06/09/25 19:02*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:30
Date Received: 06/06/25 09:30
Sample Depth: 0.5

Lab Sample ID: 890-8272-52
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/09/25 10:11*	*06/09/25 19:02*	*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			06/09/25 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**295**		49.9		mg/Kg			06/12/25 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		06/09/25 08:45	06/12/25 01:06	1
Diesel Range Organics (Over C10-C28)	**295**		49.9		mg/Kg		06/09/25 08:45	06/12/25 01:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:45	06/12/25 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*75*		*70 - 130*	*06/09/25 08:45*	*06/12/25 01:06*	*1*
o-Terphenyl	*76*		*70 - 130*	*06/09/25 08:45*	*06/12/25 01:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7200**		99.8		mg/Kg			06/11/25 01:39	10

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:35
Date Received: 06/06/25 09:30
Sample Depth: 2

Lab Sample ID: 890-8272-53
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		06/09/25 10:11	06/09/25 19:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 19:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 19:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:11	06/09/25 19:22	1
o-Xylene	**0.0611**		0.00200		mg/Kg		06/09/25 10:11	06/09/25 19:22	1
Xylenes, Total	**0.0611**		0.00399		mg/Kg		06/09/25 10:11	06/09/25 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/09/25 10:11*	*06/09/25 19:22*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*06/09/25 10:11*	*06/09/25 19:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0611**		0.00399		mg/Kg			06/09/25 19:22	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			06/12/25 01:21	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:35
Date Received: 06/06/25 09:30
Sample Depth: 2

Lab Sample ID: 890-8272-53
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		06/09/25 08:45	06/12/25 01:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/12/25 01:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:45	06/12/25 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/09/25 08:45*	*06/12/25 01:21*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/09/25 08:45*	*06/12/25 01:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16500**		198		mg/Kg			06/11/25 01:46	20

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:40
Date Received: 06/06/25 09:30
Sample Depth: 4

Lab Sample ID: 890-8272-54
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		06/09/25 10:41	06/09/25 23:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:41	06/09/25 23:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:41	06/09/25 23:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/09/25 10:41	06/09/25 23:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/09/25 10:41	06/09/25 23:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/09/25 10:41	06/09/25 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/09/25 10:41*	*06/09/25 23:28*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/09/25 10:41*	*06/09/25 23:28*	*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			06/09/25 23:28	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			06/12/25 01:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/25 08:45	06/12/25 01:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 08:45	06/12/25 01:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 08:45	06/12/25 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*06/09/25 08:45*	*06/12/25 01:38*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/09/25 08:45*	*06/12/25 01:38*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:40
Date Received: 06/06/25 09:30
Sample Depth: 4

Lab Sample ID: 890-8272-54

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		10.1		mg/Kg			06/11/25 01:53	1

Client Sample ID: HA - 10

Date Collected: 06/05/25 11:55
Date Received: 06/06/25 09:30
Sample Depth: 4

Lab Sample ID: 890-8272-55

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		06/09/25 10:41	06/09/25 23:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:41	06/09/25 23:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:41	06/09/25 23:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/09/25 10:41	06/09/25 23:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:41	06/09/25 23:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/09/25 10:41	06/09/25 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/09/25 10:41*	*06/09/25 23:48*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/09/25 10:41*	*06/09/25 23:48*	*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			06/09/25 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/12/25 01:53	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	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/12/25 01:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/12/25 01:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 08:45	06/12/25 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*06/09/25 08:45*	*06/12/25 01:53*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/09/25 08:45*	*06/12/25 01:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		9.94		mg/Kg			06/11/25 12:43	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy 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)										
890-8272-1	HA - 1	91	93										
890-8272-1 MS	HA - 1	94	105										
890-8272-1 MSD	HA - 1	107	103										
890-8272-2	HA - 1	90	95										
890-8272-3	HA - 1	81	79										
890-8272-4	HA - 1	90	95										
890-8272-5	HA - 1	90	95										
890-8272-6	HA - 2	89	94										
890-8272-7	HA - 2	94	99										
890-8272-8	HA - 2	97	96										
890-8272-9	HA - 2	93	97										
890-8272-10	HA - 2	104	112										
890-8272-11	HA - 3	103	103										
890-8272-12	HA - 3	95	86										
890-8272-13	HA - 3	94	95										
890-8272-14	HA - 3	93	91										
890-8272-15	HA - 3	95	100										
890-8272-16	HA - 4	90	91										
890-8272-17	HA - 4	85	90										
890-8272-18	HA - 4	95	84										
890-8272-19	HA - 4	91	65 S1-										
890-8272-20	HA - 4	108	93										
890-8272-21	HA - 5	112	91										
890-8272-21 MS	HA - 5	100	90										
890-8272-21 MSD	HA - 5	95	86										
890-8272-22	HA - 5	107	100										
890-8272-23	HA - 5	109	99										
890-8272-24	HA - 6	125	104										
890-8272-25	HA - 6	108	103										
890-8272-26	HA - 6	105	97										
890-8272-27	HA - 6	115	101										
890-8272-28	HA - 6	127	97										
890-8272-29	HA - 7	131 S1+	108										
890-8272-30	HA - 7	114	99										
890-8272-31	HA - 7	91	99										
890-8272-32	HA - 7	103	87										
890-8272-33	HA - 7	107	100										
890-8272-34	HA - 8	90	97										
890-8272-35	HA - 8	107	97										
890-8272-36	HA - 8	110	100										
890-8272-37	HA - 8	108	101										
890-8272-38	HA - 8	117	110										
890-8272-39	HA - 9	182 S1+	74										
890-8272-40	HA - 9	98	77										
890-8272-41	HA - 9	104	101										
890-8272-41 MS	HA - 9	110	99										
890-8272-41 MSD	HA - 9	97	85										
890-8272-42	HA - 9	108	98										
890-8272-43	HA - 9	103	99										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8272-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-8272-44	HA - 10	96	101
890-8272-45	HA - 10	103	100
890-8272-46	HA - 11	96	96
890-8272-47	HA - 11	105	104
890-8272-48	HA - 11	103	102
890-8272-49	HA - 12	109	100
890-8272-50	HA - 12	114	101
890-8272-51	HA - 12	97	96
890-8272-52	HA - 13	102	97
890-8272-53	HA - 13	118	110
890-8272-54	HA - 13	106	99
890-8272-55	HA - 10	100	99
LCS 880-111764/1-A	Lab Control Sample	97	85
LCS 880-111767/1-A	Lab Control Sample	92	89
LCS 880-111768/1-A	Lab Control Sample	99	100
LCS 880-111769/1-A	Lab Control Sample	104	95
LCSD 880-111764/2-A	Lab Control Sample Dup	99	92
LCSD 880-111767/2-A	Lab Control Sample Dup	89	89
LCSD 880-111768/2-A	Lab Control Sample Dup	90	88
LCSD 880-111769/2-A	Lab Control Sample Dup	111	89
MB 880-111764/5-A	Method Blank	99	101
MB 880-111767/5-A	Method Blank	96	103
MB 880-111768/5-A	Method Blank	88	91
MB 880-111769/5-A	Method Blank	219 S1+	132 S1+

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
890-8272-1	HA - 1	87	89
890-8272-2	HA - 1	87	89
890-8272-2 MS	HA - 1	105	92
890-8272-2 MSD	HA - 1	85	91
890-8272-3	HA - 1	84	86
890-8272-4	HA - 1	88	90
890-8272-5	HA - 1	84	84
890-8272-6	HA - 2	85	99
890-8272-7	HA - 2	86	88
890-8272-8	HA - 2	85	88
890-8272-9	HA - 2	85	85
890-8272-10	HA - 2	85	86
890-8272-11	HA - 3	81	96
890-8272-12	HA - 3	84	87
890-8272-13	HA - 3	84	86
890-8272-14	HA - 3	75	79

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-8272-15	HA - 3	75	79								
890-8272-16	HA - 4	75	79								
890-8272-17	HA - 4	76	80								
890-8272-18	HA - 4	74	79								
890-8272-19	HA - 4	79	76								
890-8272-19 MS	HA - 4	70	74								
890-8272-19 MSD	HA - 4	71	74								
890-8272-20	HA - 4	77	72								
890-8272-21	HA - 5	79	75								
890-8272-22	HA - 5	77	71								
890-8272-23	HA - 5	78	75								
890-8272-24	HA - 6	76	76								
890-8272-25	HA - 6	81	77								
890-8272-26	HA - 6	79	75								
890-8272-27	HA - 6	79	76								
890-8272-28	HA - 6	79	75								
890-8272-29	HA - 7	76	78								
890-8272-30	HA - 7	76	74								
890-8272-31	HA - 7	79	76								
890-8272-32	HA - 7	79	76								
890-8272-33	HA - 7	77	73								
890-8272-34	HA - 8	74	77								
890-8272-35	HA - 8	78	74								
890-8272-36	HA - 8	76	72								
890-8272-37	HA - 8	78	74								
890-8272-38	HA - 8	79	76								
890-8272-39	HA - 9	86	261 S1+								
890-8272-40	HA - 9	78	75								
890-8272-40 MS	HA - 9	73	76								
890-8272-40 MSD	HA - 9	73	77								
890-8272-41	HA - 9	76	73								
890-8272-42	HA - 9	76	73								
890-8272-43	HA - 9	77	74								
890-8272-44	HA - 10	76	73								
890-8272-45	HA - 10	76	74								
890-8272-46	HA - 11	76	73								
890-8272-47	HA - 11	75	73								
890-8272-48	HA - 11	76	73								
890-8272-49	HA - 12	75	80								
890-8272-50	HA - 12	75	74								
890-8272-51	HA - 12	77	73								
890-8272-52	HA - 13	75	76								
890-8272-53	HA - 13	76	72								
890-8272-54	HA - 13	74	72								
890-8272-55	HA - 10	75	72								
LCS 880-111748/2-A	Lab Control Sample	76	84								
LCS 880-111749/2-A	Lab Control Sample	118	122								
LCS 880-111750/2-A	Lab Control Sample	98	85								
LCSD 880-111748/3-A	Lab Control Sample Dup	79	85								
LCSD 880-111749/3-A	Lab Control Sample Dup	120	127								

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8272-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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)								
LCSD 880-111750/3-A	Lab Control Sample Dup	102	89								
MB 880-111748/1-A	Method Blank	71	77								
MB 880-111749/1-A	Method Blank	122	117								
MB 880-111750/1-A	Method Blank	75	75								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111764/5-A
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111764

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/25 10:11	06/09/25 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:11	06/09/25 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/25 10:11	06/09/25 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/09/25 10:11*	*06/09/25 11:30*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/09/25 10:11*	*06/09/25 11:30*	*1*

Lab Sample ID: LCS 880-111764/1-A
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	0.100	0.1011		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2189		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1111		mg/Kg		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: LCSD 880-111764/2-A
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111764

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1041		mg/Kg		104	70 - 130	1	35
Toluene	0.100	0.1029		mg/Kg		103	70 - 130	2	35
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2224		mg/Kg		111	70 - 130	2	35
o-Xylene	0.100	0.1130		mg/Kg		113	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-8272-41 MS
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: HA - 9
Prep Type: Total/NA
Prep Batch: 111764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1101		mg/Kg		110	70 - 130
Toluene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8272-41 MS
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: HA - 9
Prep Type: Total/NA
Prep Batch: 111764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1103		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2270		mg/Kg		114	70 - 130
o-Xylene	<0.00200	U	0.100	0.1169		mg/Kg		117	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-8272-41 MSD
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: HA - 9
Prep Type: Total/NA
Prep Batch: 111764

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	0.09592		mg/Kg		96	70 - 130	14	35
Toluene	<0.00200	U	0.100	0.09534		mg/Kg		95	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.09752		mg/Kg		98	70 - 130	12	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1997		mg/Kg		100	70 - 130	13	35
o-Xylene	<0.00200	U	0.100	0.1009		mg/Kg		101	70 - 130	15	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: MB 880-111767/5-A
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:41	06/09/25 22:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:41	06/09/25 22:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:41	06/09/25 22:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/25 10:41	06/09/25 22:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:41	06/09/25 22:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/25 10:41	06/09/25 22:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/09/25 10:41*	*06/09/25 22:05*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/09/25 10:41*	*06/09/25 22:05*	*1*

Lab Sample ID: LCS 880-111767/1-A
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1016		mg/Kg		102	70 - 130
Toluene	0.100	0.09494		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1011		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2027		mg/Kg		101	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-111767/1-A
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111767

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1022		mg/Kg		102	70 - 130		

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

Lab Sample ID: LCSD 880-111767/2-A
Matrix: Solid
Analysis Batch: 111751

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111767

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1010		mg/Kg		101	70 - 130	1	35
Toluene			0.100	0.09398		mg/Kg		94	70 - 130	1	35
Ethylbenzene			0.100	0.09879		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1977		mg/Kg		99	70 - 130	3	35
o-Xylene			0.100	0.1001		mg/Kg		100	70 - 130	2	35

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

Lab Sample ID: MB 880-111768/5-A
Matrix: Solid
Analysis Batch: 111644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 12:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/25 10:51	06/09/25 12:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:51	06/09/25 12:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/25 10:51	06/09/25 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/09/25 10:51*	*06/09/25 12:10*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/09/25 10:51*	*06/09/25 12:10*	*1*

Lab Sample ID: LCS 880-111768/1-A
Matrix: Solid
Analysis Batch: 111644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111768

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09567		mg/Kg		96	70 - 130		
Toluene			0.100	0.08726		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.08732		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1688		mg/Kg		84	70 - 130		
o-Xylene			0.100	0.08207		mg/Kg		82	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-111768/1-A
Matrix: Solid
Analysis Batch: 111644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111768

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-111768/2-A
Matrix: Solid
Analysis Batch: 111644

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111768

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09677		mg/Kg		97	70 - 130	1	35
Toluene			0.100	0.09435		mg/Kg		94	70 - 130	8	35
Ethylbenzene			0.100	0.09157		mg/Kg		92	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1764		mg/Kg		88	70 - 130	4	35
o-Xylene			0.100	0.08524		mg/Kg		85	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 890-8272-1 MS
Matrix: Solid
Analysis Batch: 111644

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 111768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09776		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.100	0.08697		mg/Kg		87	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08205		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1576		mg/Kg		79	70 - 130
o-Xylene	<0.00200	U	0.100	0.07608		mg/Kg		76	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-8272-1 MSD
Matrix: Solid
Analysis Batch: 111644

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 111768

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	0.1015		mg/Kg		101	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09366		mg/Kg		94	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130	22	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1887		mg/Kg		94	70 - 130	18	35
o-Xylene	<0.00200	U	0.100	0.09667		mg/Kg		97	70 - 130	24	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-111769/5-A
Matrix: Solid
Analysis Batch: 111754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 12:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/25 10:53	06/09/25 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/25 10:53	06/09/25 12:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/25 10:53	06/09/25 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*219*	*S1+*	*70 - 130*	*06/09/25 10:53*	*06/09/25 12:23*	*1*
1,4-Difluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*06/09/25 10:53*	*06/09/25 12:23*	*1*

Lab Sample ID: LCS 880-111769/1-A
Matrix: Solid
Analysis Batch: 111754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111769

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09063		mg/Kg		91	70 - 130		
Toluene			0.100	0.09820		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.1093		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene			0.200	0.1798		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.09951		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-111769/2-A
Matrix: Solid
Analysis Batch: 111754

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111769

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08774		mg/Kg		88	70 - 130	3	35
Toluene			0.100	0.09687		mg/Kg		97	70 - 130	1	35
Ethylbenzene			0.100	0.1077		mg/Kg		108	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1827		mg/Kg		91	70 - 130	2	35
o-Xylene			0.100	0.1026		mg/Kg		103	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-8272-21 MS
Matrix: Solid
Analysis Batch: 111754

Client Sample ID: HA - 5
Prep Type: Total/NA
Prep Batch: 111769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08142		mg/Kg		81	70 - 130		
Toluene	<0.00200	U	0.100	0.09277		mg/Kg		93	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8272-21 MS
Matrix: Solid
Analysis Batch: 111754

Client Sample ID: HA - 5
Prep Type: Total/NA
Prep Batch: 111769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08736		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1476		mg/Kg		74	70 - 130
o-Xylene	<0.00200	U	0.100	0.09647		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-8272-21 MSD
Matrix: Solid
Analysis Batch: 111754

Client Sample ID: HA - 5
Prep Type: Total/NA
Prep Batch: 111769

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	0.08415		mg/Kg		84	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09311		mg/Kg		93	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.09554		mg/Kg		96	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1736		mg/Kg		87	70 - 130	16	35
o-Xylene	<0.00200	U	0.100	0.09256		mg/Kg		93	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

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

Lab Sample ID: MB 880-111748/1-A
Matrix: Solid
Analysis Batch: 111969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111748

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		06/09/25 08:21	06/11/25 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:21	06/11/25 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:21	06/11/25 19:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*06/09/25 08:21*	*06/11/25 19:57*	*1*
o-Terphenyl	*77*		*70 - 130*	*06/09/25 08:21*	*06/11/25 19:57*	*1*

Lab Sample ID: LCS 880-111748/2-A
Matrix: Solid
Analysis Batch: 111969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	836.8		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	918.5		mg/Kg		92	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-111748/2-A
Matrix: Solid
Analysis Batch: 111969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111748

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-111748/3-A
Matrix: Solid
Analysis Batch: 111969

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111748

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	874.4		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	933.9		mg/Kg		93	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-8272-2 MS
Matrix: Solid
Analysis Batch: 111969

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 111748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	998	826.6		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	998	907.2		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-8272-2 MSD
Matrix: Solid
Analysis Batch: 111969

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 111748

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	<50.1	U	998	808.9		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	998	944.1		mg/Kg		95	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	91		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-111749/1-A
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111749

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		06/09/25 08:21	06/11/25 09:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:21	06/11/25 09:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:21	06/11/25 09:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*06/09/25 08:21*	*06/11/25 09:20*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/09/25 08:21*	*06/11/25 09:20*	*1*

Lab Sample ID: LCS 880-111749/2-A
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111749

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1057		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1196		mg/Kg		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: LCSD 880-111749/3-A
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111749

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1074		mg/Kg		107	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1225		mg/Kg		122	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Lab Sample ID: 890-8272-19 MS
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: HA - 4
Prep Type: Total/NA
Prep Batch: 111749

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	996	720.7		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	828.1		mg/Kg		83	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8272-19 MS
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: HA - 4
Prep Type: Total/NA
Prep Batch: 111749

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	70		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: 890-8272-19 MSD
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: HA - 4
Prep Type: Total/NA
Prep Batch: 111749

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	996	721.7		mg/Kg		72	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	833.7		mg/Kg		84	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: MB 880-111750/1-A
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111750

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		06/09/25 08:22	06/11/25 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 08:22	06/11/25 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 08:22	06/11/25 19:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	06/09/25 08:22	06/11/25 19:57	1
o-Terphenyl	75		70 - 130	06/09/25 08:22	06/11/25 19:57	1

Lab Sample ID: LCS 880-111750/2-A
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	877.4		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	899.7		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	85		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-111750/3-A
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111750

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	900.7		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	927.2		mg/Kg		93	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: 890-8272-40 MS
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: HA - 9
Prep Type: Total/NA
Prep Batch: 111750

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	760.7		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	89.8		1000	867.0		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: 890-8272-40 MSD
Matrix: Solid
Analysis Batch: 111972

Client Sample ID: HA - 9
Prep Type: Total/NA
Prep Batch: 111750

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	713.7		mg/Kg		71	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	89.8		1000	851.6		mg/Kg		76	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111836/1-A
Matrix: Solid
Analysis Batch: 111888

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			06/10/25 18:06	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-111836/2-A
Matrix: Solid
Analysis Batch: 111888

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 880-111836/3-A
Matrix: Solid
Analysis Batch: 111888

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	264.7		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 890-8272-1 MS
Matrix: Solid
Analysis Batch: 111888

Client Sample ID: HA - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	19900	F1	12600	39960	F1	mg/Kg		160	90 - 110		

Lab Sample ID: 890-8272-1 MSD
Matrix: Solid
Analysis Batch: 111888

Client Sample ID: HA - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	19900	F1	12600	39270	F1	mg/Kg		154	90 - 110	2	20

Lab Sample ID: 890-8272-11 MS
Matrix: Solid
Analysis Batch: 111888

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	17800	F1	5030	24000	F1	mg/Kg		124	90 - 110		

Lab Sample ID: 890-8272-11 MSD
Matrix: Solid
Analysis Batch: 111888

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	17800	F1	5030	23870	F1	mg/Kg		121	90 - 110	1	20

Lab Sample ID: MB 880-111837/1-A
Matrix: Solid
Analysis Batch: 111889

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			06/10/25 22:21	1

Lab Sample ID: LCS 880-111837/2-A
Matrix: Solid
Analysis Batch: 111889

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	270.6		mg/Kg		108	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-111837/3-A
Matrix: Solid
Analysis Batch: 111889

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	270.3		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 890-8272-21 MS
Matrix: Solid
Analysis Batch: 111889

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	133		249	396.5		mg/Kg		106	90 - 110		

Lab Sample ID: 890-8272-21 MSD
Matrix: Solid
Analysis Batch: 111889

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	133		249	398.2		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-8272-46 MS
Matrix: Solid
Analysis Batch: 111889

Client Sample ID: HA - 11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	447		249	707.0		mg/Kg		105	90 - 110		

Lab Sample ID: 890-8272-46 MSD
Matrix: Solid
Analysis Batch: 111889

Client Sample ID: HA - 11
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	447		249	699.0		mg/Kg		101	90 - 110	1	20

Lab Sample ID: MB 880-111838/1-A
Matrix: Solid
Analysis Batch: 111891

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			06/11/25 01:05	1

Lab Sample ID: LCS 880-111838/2-A
Matrix: Solid
Analysis Batch: 111891

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	247.6		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-111838/3-A
Matrix: Solid
Analysis Batch: 111891

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 Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8272-24 MS
Matrix: Solid
Analysis Batch: 111891

Client Sample ID: HA - 6
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	17300	F1	4960	23790	F1	mg/Kg		132	90 - 110

Lab Sample ID: 890-8272-24 MSD
Matrix: Solid
Analysis Batch: 111891

Client Sample ID: HA - 6
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	17300	F1	4960	23780	F1	mg/Kg		131	90 - 110	0	20

Lab Sample ID: 890-8272-34 MS
Matrix: Solid
Analysis Batch: 111891

Client Sample ID: HA - 8
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15600	F1	4980	25960	F1	mg/Kg		208	90 - 110

Lab Sample ID: 890-8272-34 MSD
Matrix: Solid
Analysis Batch: 111891

Client Sample ID: HA - 8
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15600	F1	4980	25960	F1	mg/Kg		208	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 111644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-1	HA - 1	Total/NA	Solid	8021B	111768
890-8272-2	HA - 1	Total/NA	Solid	8021B	111768
890-8272-3	HA - 1	Total/NA	Solid	8021B	111768
890-8272-4	HA - 1	Total/NA	Solid	8021B	111768
890-8272-5	HA - 1	Total/NA	Solid	8021B	111768
890-8272-6	HA - 2	Total/NA	Solid	8021B	111768
890-8272-7	HA - 2	Total/NA	Solid	8021B	111768
890-8272-8	HA - 2	Total/NA	Solid	8021B	111768
890-8272-9	HA - 2	Total/NA	Solid	8021B	111768
890-8272-10	HA - 2	Total/NA	Solid	8021B	111768
890-8272-11	HA - 3	Total/NA	Solid	8021B	111768
890-8272-12	HA - 3	Total/NA	Solid	8021B	111768
890-8272-13	HA - 3	Total/NA	Solid	8021B	111768
890-8272-14	HA - 3	Total/NA	Solid	8021B	111768
890-8272-15	HA - 3	Total/NA	Solid	8021B	111768
890-8272-16	HA - 4	Total/NA	Solid	8021B	111768
890-8272-17	HA - 4	Total/NA	Solid	8021B	111768
890-8272-18	HA - 4	Total/NA	Solid	8021B	111768
890-8272-19	HA - 4	Total/NA	Solid	8021B	111768
890-8272-20	HA - 4	Total/NA	Solid	8021B	111768
MB 880-111768/5-A	Method Blank	Total/NA	Solid	8021B	111768
LCS 880-111768/1-A	Lab Control Sample	Total/NA	Solid	8021B	111768
LCSD 880-111768/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111768
890-8272-1 MS	HA - 1	Total/NA	Solid	8021B	111768
890-8272-1 MSD	HA - 1	Total/NA	Solid	8021B	111768

Analysis Batch: 111751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-41	HA - 9	Total/NA	Solid	8021B	111764
890-8272-42	HA - 9	Total/NA	Solid	8021B	111764
890-8272-43	HA - 9	Total/NA	Solid	8021B	111764
890-8272-44	HA - 10	Total/NA	Solid	8021B	111764
890-8272-45	HA - 10	Total/NA	Solid	8021B	111764
890-8272-46	HA - 11	Total/NA	Solid	8021B	111764
890-8272-47	HA - 11	Total/NA	Solid	8021B	111764
890-8272-48	HA - 11	Total/NA	Solid	8021B	111764
890-8272-49	HA - 12	Total/NA	Solid	8021B	111764
890-8272-50	HA - 12	Total/NA	Solid	8021B	111764
890-8272-51	HA - 12	Total/NA	Solid	8021B	111764
890-8272-52	HA - 13	Total/NA	Solid	8021B	111764
890-8272-53	HA - 13	Total/NA	Solid	8021B	111764
890-8272-54	HA - 13	Total/NA	Solid	8021B	111767
890-8272-55	HA - 10	Total/NA	Solid	8021B	111767
MB 880-111764/5-A	Method Blank	Total/NA	Solid	8021B	111764
MB 880-111767/5-A	Method Blank	Total/NA	Solid	8021B	111767
LCS 880-111764/1-A	Lab Control Sample	Total/NA	Solid	8021B	111764
LCS 880-111767/1-A	Lab Control Sample	Total/NA	Solid	8021B	111767
LCSD 880-111764/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111764
LCSD 880-111767/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111767
890-8272-41 MS	HA - 9	Total/NA	Solid	8021B	111764
890-8272-41 MSD	HA - 9	Total/NA	Solid	8021B	111764

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 111754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-21	HA - 5	Total/NA	Solid	8021B	111769
890-8272-22	HA - 5	Total/NA	Solid	8021B	111769
890-8272-23	HA - 5	Total/NA	Solid	8021B	111769
890-8272-24	HA - 6	Total/NA	Solid	8021B	111769
890-8272-25	HA - 6	Total/NA	Solid	8021B	111769
890-8272-26	HA - 6	Total/NA	Solid	8021B	111769
890-8272-27	HA - 6	Total/NA	Solid	8021B	111769
890-8272-28	HA - 6	Total/NA	Solid	8021B	111769
890-8272-29	HA - 7	Total/NA	Solid	8021B	111769
890-8272-30	HA - 7	Total/NA	Solid	8021B	111769
890-8272-31	HA - 7	Total/NA	Solid	8021B	111769
890-8272-32	HA - 7	Total/NA	Solid	8021B	111769
890-8272-33	HA - 7	Total/NA	Solid	8021B	111769
890-8272-34	HA - 8	Total/NA	Solid	8021B	111769
890-8272-35	HA - 8	Total/NA	Solid	8021B	111769
890-8272-36	HA - 8	Total/NA	Solid	8021B	111769
890-8272-37	HA - 8	Total/NA	Solid	8021B	111769
890-8272-38	HA - 8	Total/NA	Solid	8021B	111769
890-8272-39	HA - 9	Total/NA	Solid	8021B	111769
890-8272-40	HA - 9	Total/NA	Solid	8021B	111769
MB 880-111769/5-A	Method Blank	Total/NA	Solid	8021B	111769
LCS 880-111769/1-A	Lab Control Sample	Total/NA	Solid	8021B	111769
LCSD 880-111769/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111769
890-8272-21 MS	HA - 5	Total/NA	Solid	8021B	111769
890-8272-21 MSD	HA - 5	Total/NA	Solid	8021B	111769

Prep Batch: 111764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-41	HA - 9	Total/NA	Solid	5035	
890-8272-42	HA - 9	Total/NA	Solid	5035	
890-8272-43	HA - 9	Total/NA	Solid	5035	
890-8272-44	HA - 10	Total/NA	Solid	5035	
890-8272-45	HA - 10	Total/NA	Solid	5035	
890-8272-46	HA - 11	Total/NA	Solid	5035	
890-8272-47	HA - 11	Total/NA	Solid	5035	
890-8272-48	HA - 11	Total/NA	Solid	5035	
890-8272-49	HA - 12	Total/NA	Solid	5035	
890-8272-50	HA - 12	Total/NA	Solid	5035	
890-8272-51	HA - 12	Total/NA	Solid	5035	
890-8272-52	HA - 13	Total/NA	Solid	5035	
890-8272-53	HA - 13	Total/NA	Solid	5035	
MB 880-111764/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111764/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111764/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8272-41 MS	HA - 9	Total/NA	Solid	5035	
890-8272-41 MSD	HA - 9	Total/NA	Solid	5035	

Prep Batch: 111767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-54	HA - 13	Total/NA	Solid	5035	
890-8272-55	HA - 10	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 111767 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-111767/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111767/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111767/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 111768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-1	HA - 1	Total/NA	Solid	5035	
890-8272-2	HA - 1	Total/NA	Solid	5035	
890-8272-3	HA - 1	Total/NA	Solid	5035	
890-8272-4	HA - 1	Total/NA	Solid	5035	
890-8272-5	HA - 1	Total/NA	Solid	5035	
890-8272-6	HA - 2	Total/NA	Solid	5035	
890-8272-7	HA - 2	Total/NA	Solid	5035	
890-8272-8	HA - 2	Total/NA	Solid	5035	
890-8272-9	HA - 2	Total/NA	Solid	5035	
890-8272-10	HA - 2	Total/NA	Solid	5035	
890-8272-11	HA - 3	Total/NA	Solid	5035	
890-8272-12	HA - 3	Total/NA	Solid	5035	
890-8272-13	HA - 3	Total/NA	Solid	5035	
890-8272-14	HA - 3	Total/NA	Solid	5035	
890-8272-15	HA - 3	Total/NA	Solid	5035	
890-8272-16	HA - 4	Total/NA	Solid	5035	
890-8272-17	HA - 4	Total/NA	Solid	5035	
890-8272-18	HA - 4	Total/NA	Solid	5035	
890-8272-19	HA - 4	Total/NA	Solid	5035	
890-8272-20	HA - 4	Total/NA	Solid	5035	
MB 880-111768/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111768/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111768/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8272-1 MS	HA - 1	Total/NA	Solid	5035	
890-8272-1 MSD	HA - 1	Total/NA	Solid	5035	

Prep Batch: 111769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-21	HA - 5	Total/NA	Solid	5035	
890-8272-22	HA - 5	Total/NA	Solid	5035	
890-8272-23	HA - 5	Total/NA	Solid	5035	
890-8272-24	HA - 6	Total/NA	Solid	5035	
890-8272-25	HA - 6	Total/NA	Solid	5035	
890-8272-26	HA - 6	Total/NA	Solid	5035	
890-8272-27	HA - 6	Total/NA	Solid	5035	
890-8272-28	HA - 6	Total/NA	Solid	5035	
890-8272-29	HA - 7	Total/NA	Solid	5035	
890-8272-30	HA - 7	Total/NA	Solid	5035	
890-8272-31	HA - 7	Total/NA	Solid	5035	
890-8272-32	HA - 7	Total/NA	Solid	5035	
890-8272-33	HA - 7	Total/NA	Solid	5035	
890-8272-34	HA - 8	Total/NA	Solid	5035	
890-8272-35	HA - 8	Total/NA	Solid	5035	
890-8272-36	HA - 8	Total/NA	Solid	5035	
890-8272-37	HA - 8	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 111769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-38	HA - 8	Total/NA	Solid	5035	
890-8272-39	HA - 9	Total/NA	Solid	5035	
890-8272-40	HA - 9	Total/NA	Solid	5035	
MB 880-111769/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111769/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111769/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8272-21 MS	HA - 5	Total/NA	Solid	5035	
890-8272-21 MSD	HA - 5	Total/NA	Solid	5035	

Analysis Batch: 111831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8272-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8272-3	HA - 1	Total/NA	Solid	Total BTEX	
890-8272-4	HA - 1	Total/NA	Solid	Total BTEX	
890-8272-5	HA - 1	Total/NA	Solid	Total BTEX	
890-8272-6	HA - 2	Total/NA	Solid	Total BTEX	
890-8272-7	HA - 2	Total/NA	Solid	Total BTEX	
890-8272-8	HA - 2	Total/NA	Solid	Total BTEX	
890-8272-9	HA - 2	Total/NA	Solid	Total BTEX	
890-8272-10	HA - 2	Total/NA	Solid	Total BTEX	
890-8272-11	HA - 3	Total/NA	Solid	Total BTEX	
890-8272-12	HA - 3	Total/NA	Solid	Total BTEX	
890-8272-13	HA - 3	Total/NA	Solid	Total BTEX	
890-8272-14	HA - 3	Total/NA	Solid	Total BTEX	
890-8272-15	HA - 3	Total/NA	Solid	Total BTEX	
890-8272-16	HA - 4	Total/NA	Solid	Total BTEX	
890-8272-17	HA - 4	Total/NA	Solid	Total BTEX	
890-8272-18	HA - 4	Total/NA	Solid	Total BTEX	
890-8272-19	HA - 4	Total/NA	Solid	Total BTEX	
890-8272-20	HA - 4	Total/NA	Solid	Total BTEX	
890-8272-21	HA - 5	Total/NA	Solid	Total BTEX	
890-8272-22	HA - 5	Total/NA	Solid	Total BTEX	
890-8272-23	HA - 5	Total/NA	Solid	Total BTEX	
890-8272-24	HA - 6	Total/NA	Solid	Total BTEX	
890-8272-25	HA - 6	Total/NA	Solid	Total BTEX	
890-8272-26	HA - 6	Total/NA	Solid	Total BTEX	
890-8272-27	HA - 6	Total/NA	Solid	Total BTEX	
890-8272-28	HA - 6	Total/NA	Solid	Total BTEX	
890-8272-29	HA - 7	Total/NA	Solid	Total BTEX	
890-8272-30	HA - 7	Total/NA	Solid	Total BTEX	
890-8272-31	HA - 7	Total/NA	Solid	Total BTEX	
890-8272-32	HA - 7	Total/NA	Solid	Total BTEX	
890-8272-33	HA - 7	Total/NA	Solid	Total BTEX	
890-8272-34	HA - 8	Total/NA	Solid	Total BTEX	
890-8272-35	HA - 8	Total/NA	Solid	Total BTEX	
890-8272-36	HA - 8	Total/NA	Solid	Total BTEX	
890-8272-37	HA - 8	Total/NA	Solid	Total BTEX	
890-8272-38	HA - 8	Total/NA	Solid	Total BTEX	
890-8272-39	HA - 9	Total/NA	Solid	Total BTEX	
890-8272-40	HA - 9	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 111831 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-41	HA - 9	Total/NA	Solid	Total BTEX	
890-8272-42	HA - 9	Total/NA	Solid	Total BTEX	
890-8272-43	HA - 9	Total/NA	Solid	Total BTEX	
890-8272-44	HA - 10	Total/NA	Solid	Total BTEX	
890-8272-45	HA - 10	Total/NA	Solid	Total BTEX	
890-8272-46	HA - 11	Total/NA	Solid	Total BTEX	
890-8272-47	HA - 11	Total/NA	Solid	Total BTEX	
890-8272-48	HA - 11	Total/NA	Solid	Total BTEX	
890-8272-49	HA - 12	Total/NA	Solid	Total BTEX	
890-8272-50	HA - 12	Total/NA	Solid	Total BTEX	
890-8272-51	HA - 12	Total/NA	Solid	Total BTEX	
890-8272-52	HA - 13	Total/NA	Solid	Total BTEX	
890-8272-53	HA - 13	Total/NA	Solid	Total BTEX	
890-8272-54	HA - 13	Total/NA	Solid	Total BTEX	
890-8272-55	HA - 10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8272-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-8272-3	HA - 1	Total/NA	Solid	8015NM Prep	
890-8272-4	HA - 1	Total/NA	Solid	8015NM Prep	
890-8272-5	HA - 1	Total/NA	Solid	8015NM Prep	
890-8272-6	HA - 2	Total/NA	Solid	8015NM Prep	
890-8272-7	HA - 2	Total/NA	Solid	8015NM Prep	
890-8272-8	HA - 2	Total/NA	Solid	8015NM Prep	
890-8272-9	HA - 2	Total/NA	Solid	8015NM Prep	
890-8272-10	HA - 2	Total/NA	Solid	8015NM Prep	
890-8272-11	HA - 3	Total/NA	Solid	8015NM Prep	
890-8272-12	HA - 3	Total/NA	Solid	8015NM Prep	
890-8272-13	HA - 3	Total/NA	Solid	8015NM Prep	
890-8272-14	HA - 3	Total/NA	Solid	8015NM Prep	
890-8272-15	HA - 3	Total/NA	Solid	8015NM Prep	
890-8272-16	HA - 4	Total/NA	Solid	8015NM Prep	
890-8272-17	HA - 4	Total/NA	Solid	8015NM Prep	
890-8272-18	HA - 4	Total/NA	Solid	8015NM Prep	
MB 880-111748/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111748/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111748/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8272-2 MS	HA - 1	Total/NA	Solid	8015NM Prep	
890-8272-2 MSD	HA - 1	Total/NA	Solid	8015NM Prep	

Prep Batch: 111749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-19	HA - 4	Total/NA	Solid	8015NM Prep	
890-8272-20	HA - 4	Total/NA	Solid	8015NM Prep	
890-8272-21	HA - 5	Total/NA	Solid	8015NM Prep	
890-8272-22	HA - 5	Total/NA	Solid	8015NM Prep	
890-8272-23	HA - 5	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 111749 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-24	HA - 6	Total/NA	Solid	8015NM Prep	
890-8272-25	HA - 6	Total/NA	Solid	8015NM Prep	
890-8272-26	HA - 6	Total/NA	Solid	8015NM Prep	
890-8272-27	HA - 6	Total/NA	Solid	8015NM Prep	
890-8272-28	HA - 6	Total/NA	Solid	8015NM Prep	
890-8272-29	HA - 7	Total/NA	Solid	8015NM Prep	
890-8272-30	HA - 7	Total/NA	Solid	8015NM Prep	
890-8272-31	HA - 7	Total/NA	Solid	8015NM Prep	
890-8272-32	HA - 7	Total/NA	Solid	8015NM Prep	
890-8272-33	HA - 7	Total/NA	Solid	8015NM Prep	
890-8272-34	HA - 8	Total/NA	Solid	8015NM Prep	
890-8272-35	HA - 8	Total/NA	Solid	8015NM Prep	
890-8272-36	HA - 8	Total/NA	Solid	8015NM Prep	
890-8272-37	HA - 8	Total/NA	Solid	8015NM Prep	
890-8272-38	HA - 8	Total/NA	Solid	8015NM Prep	
MB 880-111749/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111749/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8272-19 MS	HA - 4	Total/NA	Solid	8015NM Prep	
890-8272-19 MSD	HA - 4	Total/NA	Solid	8015NM Prep	

Prep Batch: 111750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-39	HA - 9	Total/NA	Solid	8015NM Prep	
890-8272-40	HA - 9	Total/NA	Solid	8015NM Prep	
890-8272-41	HA - 9	Total/NA	Solid	8015NM Prep	
890-8272-42	HA - 9	Total/NA	Solid	8015NM Prep	
890-8272-43	HA - 9	Total/NA	Solid	8015NM Prep	
890-8272-44	HA - 10	Total/NA	Solid	8015NM Prep	
890-8272-45	HA - 10	Total/NA	Solid	8015NM Prep	
890-8272-46	HA - 11	Total/NA	Solid	8015NM Prep	
890-8272-47	HA - 11	Total/NA	Solid	8015NM Prep	
890-8272-48	HA - 11	Total/NA	Solid	8015NM Prep	
890-8272-49	HA - 12	Total/NA	Solid	8015NM Prep	
890-8272-50	HA - 12	Total/NA	Solid	8015NM Prep	
890-8272-51	HA - 12	Total/NA	Solid	8015NM Prep	
890-8272-52	HA - 13	Total/NA	Solid	8015NM Prep	
890-8272-53	HA - 13	Total/NA	Solid	8015NM Prep	
890-8272-54	HA - 13	Total/NA	Solid	8015NM Prep	
890-8272-55	HA - 10	Total/NA	Solid	8015NM Prep	
MB 880-111750/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111750/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111750/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8272-40 MS	HA - 9	Total/NA	Solid	8015NM Prep	
890-8272-40 MSD	HA - 9	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-1	HA - 1	Total/NA	Solid	8015B NM	111748
890-8272-2	HA - 1	Total/NA	Solid	8015B NM	111748
890-8272-3	HA - 1	Total/NA	Solid	8015B NM	111748

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 111969 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-4	HA - 1	Total/NA	Solid	8015B NM	111748
890-8272-5	HA - 1	Total/NA	Solid	8015B NM	111748
890-8272-6	HA - 2	Total/NA	Solid	8015B NM	111748
890-8272-7	HA - 2	Total/NA	Solid	8015B NM	111748
890-8272-8	HA - 2	Total/NA	Solid	8015B NM	111748
890-8272-9	HA - 2	Total/NA	Solid	8015B NM	111748
890-8272-10	HA - 2	Total/NA	Solid	8015B NM	111748
890-8272-11	HA - 3	Total/NA	Solid	8015B NM	111748
890-8272-12	HA - 3	Total/NA	Solid	8015B NM	111748
890-8272-13	HA - 3	Total/NA	Solid	8015B NM	111748
890-8272-14	HA - 3	Total/NA	Solid	8015B NM	111748
890-8272-15	HA - 3	Total/NA	Solid	8015B NM	111748
890-8272-16	HA - 4	Total/NA	Solid	8015B NM	111748
890-8272-17	HA - 4	Total/NA	Solid	8015B NM	111748
890-8272-18	HA - 4	Total/NA	Solid	8015B NM	111748
MB 880-111748/1-A	Method Blank	Total/NA	Solid	8015B NM	111748
LCS 880-111748/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111748
LCSD 880-111748/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111748
890-8272-2 MS	HA - 1	Total/NA	Solid	8015B NM	111748
890-8272-2 MSD	HA - 1	Total/NA	Solid	8015B NM	111748

Analysis Batch: 111972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-19	HA - 4	Total/NA	Solid	8015B NM	111749
890-8272-20	HA - 4	Total/NA	Solid	8015B NM	111749
890-8272-21	HA - 5	Total/NA	Solid	8015B NM	111749
890-8272-22	HA - 5	Total/NA	Solid	8015B NM	111749
890-8272-23	HA - 5	Total/NA	Solid	8015B NM	111749
890-8272-24	HA - 6	Total/NA	Solid	8015B NM	111749
890-8272-25	HA - 6	Total/NA	Solid	8015B NM	111749
890-8272-26	HA - 6	Total/NA	Solid	8015B NM	111749
890-8272-27	HA - 6	Total/NA	Solid	8015B NM	111749
890-8272-28	HA - 6	Total/NA	Solid	8015B NM	111749
890-8272-29	HA - 7	Total/NA	Solid	8015B NM	111749
890-8272-30	HA - 7	Total/NA	Solid	8015B NM	111749
890-8272-31	HA - 7	Total/NA	Solid	8015B NM	111749
890-8272-32	HA - 7	Total/NA	Solid	8015B NM	111749
890-8272-33	HA - 7	Total/NA	Solid	8015B NM	111749
890-8272-34	HA - 8	Total/NA	Solid	8015B NM	111749
890-8272-35	HA - 8	Total/NA	Solid	8015B NM	111749
890-8272-36	HA - 8	Total/NA	Solid	8015B NM	111749
890-8272-37	HA - 8	Total/NA	Solid	8015B NM	111749
890-8272-38	HA - 8	Total/NA	Solid	8015B NM	111749
890-8272-39	HA - 9	Total/NA	Solid	8015B NM	111750
890-8272-40	HA - 9	Total/NA	Solid	8015B NM	111750
890-8272-41	HA - 9	Total/NA	Solid	8015B NM	111750
890-8272-42	HA - 9	Total/NA	Solid	8015B NM	111750
890-8272-43	HA - 9	Total/NA	Solid	8015B NM	111750
890-8272-44	HA - 10	Total/NA	Solid	8015B NM	111750
890-8272-45	HA - 10	Total/NA	Solid	8015B NM	111750
890-8272-46	HA - 11	Total/NA	Solid	8015B NM	111750

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 111972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-47	HA - 11	Total/NA	Solid	8015B NM	111750
890-8272-48	HA - 11	Total/NA	Solid	8015B NM	111750
890-8272-49	HA - 12	Total/NA	Solid	8015B NM	111750
890-8272-50	HA - 12	Total/NA	Solid	8015B NM	111750
890-8272-51	HA - 12	Total/NA	Solid	8015B NM	111750
890-8272-52	HA - 13	Total/NA	Solid	8015B NM	111750
890-8272-53	HA - 13	Total/NA	Solid	8015B NM	111750
890-8272-54	HA - 13	Total/NA	Solid	8015B NM	111750
890-8272-55	HA - 10	Total/NA	Solid	8015B NM	111750
MB 880-111749/1-A	Method Blank	Total/NA	Solid	8015B NM	111749
MB 880-111750/1-A	Method Blank	Total/NA	Solid	8015B NM	111750
LCS 880-111749/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111749
LCS 880-111750/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111750
LCSD 880-111749/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111749
LCSD 880-111750/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111750
890-8272-19 MS	HA - 4	Total/NA	Solid	8015B NM	111749
890-8272-19 MSD	HA - 4	Total/NA	Solid	8015B NM	111749
890-8272-40 MS	HA - 9	Total/NA	Solid	8015B NM	111750
890-8272-40 MSD	HA - 9	Total/NA	Solid	8015B NM	111750

Analysis Batch: 112104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-1	HA - 1	Total/NA	Solid	8015 NM	
890-8272-2	HA - 1	Total/NA	Solid	8015 NM	
890-8272-3	HA - 1	Total/NA	Solid	8015 NM	
890-8272-4	HA - 1	Total/NA	Solid	8015 NM	
890-8272-5	HA - 1	Total/NA	Solid	8015 NM	
890-8272-6	HA - 2	Total/NA	Solid	8015 NM	
890-8272-7	HA - 2	Total/NA	Solid	8015 NM	
890-8272-8	HA - 2	Total/NA	Solid	8015 NM	
890-8272-9	HA - 2	Total/NA	Solid	8015 NM	
890-8272-10	HA - 2	Total/NA	Solid	8015 NM	
890-8272-11	HA - 3	Total/NA	Solid	8015 NM	
890-8272-12	HA - 3	Total/NA	Solid	8015 NM	
890-8272-13	HA - 3	Total/NA	Solid	8015 NM	
890-8272-14	HA - 3	Total/NA	Solid	8015 NM	
890-8272-15	HA - 3	Total/NA	Solid	8015 NM	
890-8272-16	HA - 4	Total/NA	Solid	8015 NM	
890-8272-17	HA - 4	Total/NA	Solid	8015 NM	
890-8272-18	HA - 4	Total/NA	Solid	8015 NM	
890-8272-19	HA - 4	Total/NA	Solid	8015 NM	
890-8272-20	HA - 4	Total/NA	Solid	8015 NM	
890-8272-21	HA - 5	Total/NA	Solid	8015 NM	
890-8272-22	HA - 5	Total/NA	Solid	8015 NM	
890-8272-23	HA - 5	Total/NA	Solid	8015 NM	
890-8272-24	HA - 6	Total/NA	Solid	8015 NM	
890-8272-25	HA - 6	Total/NA	Solid	8015 NM	
890-8272-26	HA - 6	Total/NA	Solid	8015 NM	
890-8272-27	HA - 6	Total/NA	Solid	8015 NM	
890-8272-28	HA - 6	Total/NA	Solid	8015 NM	
890-8272-29	HA - 7	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 112104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-30	HA - 7	Total/NA	Solid	8015 NM	
890-8272-31	HA - 7	Total/NA	Solid	8015 NM	
890-8272-32	HA - 7	Total/NA	Solid	8015 NM	
890-8272-33	HA - 7	Total/NA	Solid	8015 NM	
890-8272-34	HA - 8	Total/NA	Solid	8015 NM	
890-8272-35	HA - 8	Total/NA	Solid	8015 NM	
890-8272-36	HA - 8	Total/NA	Solid	8015 NM	
890-8272-37	HA - 8	Total/NA	Solid	8015 NM	
890-8272-38	HA - 8	Total/NA	Solid	8015 NM	
890-8272-39	HA - 9	Total/NA	Solid	8015 NM	
890-8272-40	HA - 9	Total/NA	Solid	8015 NM	
890-8272-41	HA - 9	Total/NA	Solid	8015 NM	
890-8272-42	HA - 9	Total/NA	Solid	8015 NM	
890-8272-43	HA - 9	Total/NA	Solid	8015 NM	
890-8272-44	HA - 10	Total/NA	Solid	8015 NM	
890-8272-45	HA - 10	Total/NA	Solid	8015 NM	
890-8272-46	HA - 11	Total/NA	Solid	8015 NM	
890-8272-47	HA - 11	Total/NA	Solid	8015 NM	
890-8272-48	HA - 11	Total/NA	Solid	8015 NM	
890-8272-49	HA - 12	Total/NA	Solid	8015 NM	
890-8272-50	HA - 12	Total/NA	Solid	8015 NM	
890-8272-51	HA - 12	Total/NA	Solid	8015 NM	
890-8272-52	HA - 13	Total/NA	Solid	8015 NM	
890-8272-53	HA - 13	Total/NA	Solid	8015 NM	
890-8272-54	HA - 13	Total/NA	Solid	8015 NM	
890-8272-55	HA - 10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-1	HA - 1	Soluble	Solid	DI Leach	
890-8272-2	HA - 1	Soluble	Solid	DI Leach	
890-8272-3	HA - 1	Soluble	Solid	DI Leach	
890-8272-4	HA - 1	Soluble	Solid	DI Leach	
890-8272-5	HA - 1	Soluble	Solid	DI Leach	
890-8272-6	HA - 2	Soluble	Solid	DI Leach	
890-8272-7	HA - 2	Soluble	Solid	DI Leach	
890-8272-8	HA - 2	Soluble	Solid	DI Leach	
890-8272-9	HA - 2	Soluble	Solid	DI Leach	
890-8272-10	HA - 2	Soluble	Solid	DI Leach	
890-8272-11	HA - 3	Soluble	Solid	DI Leach	
890-8272-12	HA - 3	Soluble	Solid	DI Leach	
890-8272-13	HA - 3	Soluble	Solid	DI Leach	
890-8272-14	HA - 3	Soluble	Solid	DI Leach	
890-8272-15	HA - 3	Soluble	Solid	DI Leach	
890-8272-16	HA - 4	Soluble	Solid	DI Leach	
890-8272-17	HA - 4	Soluble	Solid	DI Leach	
890-8272-18	HA - 4	Soluble	Solid	DI Leach	
890-8272-19	HA - 4	Soluble	Solid	DI Leach	
890-8272-20	HA - 4	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 111836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-111836/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111836/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111836/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8272-1 MS	HA - 1	Soluble	Solid	DI Leach	
890-8272-1 MSD	HA - 1	Soluble	Solid	DI Leach	
890-8272-11 MS	HA - 3	Soluble	Solid	DI Leach	
890-8272-11 MSD	HA - 3	Soluble	Solid	DI Leach	

Leach Batch: 111837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-21	HA - 5	Soluble	Solid	DI Leach	
890-8272-22	HA - 5	Soluble	Solid	DI Leach	
890-8272-23	HA - 5	Soluble	Solid	DI Leach	
890-8272-39	HA - 9	Soluble	Solid	DI Leach	
890-8272-40	HA - 9	Soluble	Solid	DI Leach	
890-8272-41	HA - 9	Soluble	Solid	DI Leach	
890-8272-42	HA - 9	Soluble	Solid	DI Leach	
890-8272-43	HA - 9	Soluble	Solid	DI Leach	
890-8272-44	HA - 10	Soluble	Solid	DI Leach	
890-8272-45	HA - 10	Soluble	Solid	DI Leach	
890-8272-46	HA - 11	Soluble	Solid	DI Leach	
890-8272-47	HA - 11	Soluble	Solid	DI Leach	
890-8272-48	HA - 11	Soluble	Solid	DI Leach	
890-8272-49	HA - 12	Soluble	Solid	DI Leach	
890-8272-50	HA - 12	Soluble	Solid	DI Leach	
890-8272-51	HA - 12	Soluble	Solid	DI Leach	
890-8272-52	HA - 13	Soluble	Solid	DI Leach	
890-8272-53	HA - 13	Soluble	Solid	DI Leach	
890-8272-54	HA - 13	Soluble	Solid	DI Leach	
890-8272-55	HA - 10	Soluble	Solid	DI Leach	
MB 880-111837/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111837/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111837/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8272-21 MS	HA - 5	Soluble	Solid	DI Leach	
890-8272-21 MSD	HA - 5	Soluble	Solid	DI Leach	
890-8272-46 MS	HA - 11	Soluble	Solid	DI Leach	
890-8272-46 MSD	HA - 11	Soluble	Solid	DI Leach	

Leach Batch: 111838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-24	HA - 6	Soluble	Solid	DI Leach	
890-8272-25	HA - 6	Soluble	Solid	DI Leach	
890-8272-26	HA - 6	Soluble	Solid	DI Leach	
890-8272-27	HA - 6	Soluble	Solid	DI Leach	
890-8272-28	HA - 6	Soluble	Solid	DI Leach	
890-8272-29	HA - 7	Soluble	Solid	DI Leach	
890-8272-30	HA - 7	Soluble	Solid	DI Leach	
890-8272-31	HA - 7	Soluble	Solid	DI Leach	
890-8272-32	HA - 7	Soluble	Solid	DI Leach	
890-8272-33	HA - 7	Soluble	Solid	DI Leach	
890-8272-34	HA - 8	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 111838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-35	HA - 8	Soluble	Solid	DI Leach	
890-8272-36	HA - 8	Soluble	Solid	DI Leach	
890-8272-37	HA - 8	Soluble	Solid	DI Leach	
890-8272-38	HA - 8	Soluble	Solid	DI Leach	
MB 880-111838/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111838/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111838/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8272-24 MS	HA - 6	Soluble	Solid	DI Leach	
890-8272-24 MSD	HA - 6	Soluble	Solid	DI Leach	
890-8272-34 MS	HA - 8	Soluble	Solid	DI Leach	
890-8272-34 MSD	HA - 8	Soluble	Solid	DI Leach	

Analysis Batch: 111888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-1	HA - 1	Soluble	Solid	300.0	111836
890-8272-2	HA - 1	Soluble	Solid	300.0	111836
890-8272-3	HA - 1	Soluble	Solid	300.0	111836
890-8272-4	HA - 1	Soluble	Solid	300.0	111836
890-8272-5	HA - 1	Soluble	Solid	300.0	111836
890-8272-6	HA - 2	Soluble	Solid	300.0	111836
890-8272-7	HA - 2	Soluble	Solid	300.0	111836
890-8272-8	HA - 2	Soluble	Solid	300.0	111836
890-8272-9	HA - 2	Soluble	Solid	300.0	111836
890-8272-10	HA - 2	Soluble	Solid	300.0	111836
890-8272-11	HA - 3	Soluble	Solid	300.0	111836
890-8272-12	HA - 3	Soluble	Solid	300.0	111836
890-8272-13	HA - 3	Soluble	Solid	300.0	111836
890-8272-14	HA - 3	Soluble	Solid	300.0	111836
890-8272-15	HA - 3	Soluble	Solid	300.0	111836
890-8272-16	HA - 4	Soluble	Solid	300.0	111836
890-8272-17	HA - 4	Soluble	Solid	300.0	111836
890-8272-18	HA - 4	Soluble	Solid	300.0	111836
890-8272-19	HA - 4	Soluble	Solid	300.0	111836
890-8272-20	HA - 4	Soluble	Solid	300.0	111836
MB 880-111836/1-A	Method Blank	Soluble	Solid	300.0	111836
LCS 880-111836/2-A	Lab Control Sample	Soluble	Solid	300.0	111836
LCSD 880-111836/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111836
890-8272-1 MS	HA - 1	Soluble	Solid	300.0	111836
890-8272-1 MSD	HA - 1	Soluble	Solid	300.0	111836
890-8272-11 MS	HA - 3	Soluble	Solid	300.0	111836
890-8272-11 MSD	HA - 3	Soluble	Solid	300.0	111836

Analysis Batch: 111889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-21	HA - 5	Soluble	Solid	300.0	111837
890-8272-22	HA - 5	Soluble	Solid	300.0	111837
890-8272-23	HA - 5	Soluble	Solid	300.0	111837
890-8272-39	HA - 9	Soluble	Solid	300.0	111837
890-8272-40	HA - 9	Soluble	Solid	300.0	111837
890-8272-41	HA - 9	Soluble	Solid	300.0	111837
890-8272-42	HA - 9	Soluble	Solid	300.0	111837

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 111889 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-43	HA - 9	Soluble	Solid	300.0	111837
890-8272-44	HA - 10	Soluble	Solid	300.0	111837
890-8272-45	HA - 10	Soluble	Solid	300.0	111837
890-8272-46	HA - 11	Soluble	Solid	300.0	111837
890-8272-47	HA - 11	Soluble	Solid	300.0	111837
890-8272-48	HA - 11	Soluble	Solid	300.0	111837
890-8272-49	HA - 12	Soluble	Solid	300.0	111837
890-8272-50	HA - 12	Soluble	Solid	300.0	111837
890-8272-51	HA - 12	Soluble	Solid	300.0	111837
890-8272-52	HA - 13	Soluble	Solid	300.0	111837
890-8272-53	HA - 13	Soluble	Solid	300.0	111837
890-8272-54	HA - 13	Soluble	Solid	300.0	111837
890-8272-55	HA - 10	Soluble	Solid	300.0	111837
MB 880-111837/1-A	Method Blank	Soluble	Solid	300.0	111837
LCS 880-111837/2-A	Lab Control Sample	Soluble	Solid	300.0	111837
LCSD 880-111837/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111837
890-8272-21 MS	HA - 5	Soluble	Solid	300.0	111837
890-8272-21 MSD	HA - 5	Soluble	Solid	300.0	111837
890-8272-46 MS	HA - 11	Soluble	Solid	300.0	111837
890-8272-46 MSD	HA - 11	Soluble	Solid	300.0	111837

Analysis Batch: 111891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8272-24	HA - 6	Soluble	Solid	300.0	111838
890-8272-25	HA - 6	Soluble	Solid	300.0	111838
890-8272-26	HA - 6	Soluble	Solid	300.0	111838
890-8272-27	HA - 6	Soluble	Solid	300.0	111838
890-8272-28	HA - 6	Soluble	Solid	300.0	111838
890-8272-29	HA - 7	Soluble	Solid	300.0	111838
890-8272-30	HA - 7	Soluble	Solid	300.0	111838
890-8272-31	HA - 7	Soluble	Solid	300.0	111838
890-8272-32	HA - 7	Soluble	Solid	300.0	111838
890-8272-33	HA - 7	Soluble	Solid	300.0	111838
890-8272-34	HA - 8	Soluble	Solid	300.0	111838
890-8272-35	HA - 8	Soluble	Solid	300.0	111838
890-8272-36	HA - 8	Soluble	Solid	300.0	111838
890-8272-37	HA - 8	Soluble	Solid	300.0	111838
890-8272-38	HA - 8	Soluble	Solid	300.0	111838
MB 880-111838/1-A	Method Blank	Soluble	Solid	300.0	111838
LCS 880-111838/2-A	Lab Control Sample	Soluble	Solid	300.0	111838
LCSD 880-111838/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111838
890-8272-24 MS	HA - 6	Soluble	Solid	300.0	111838
890-8272-24 MSD	HA - 6	Soluble	Solid	300.0	111838
890-8272-34 MS	HA - 8	Soluble	Solid	300.0	111838
890-8272-34 MSD	HA - 8	Soluble	Solid	300.0	111838

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 1
Date Collected: 06/05/25 08:00
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-1
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	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 12:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 21:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 21:34	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		50			111888	06/10/25 18:27	CH	EET MID

Client Sample ID: HA - 1
Date Collected: 06/05/25 08:05
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-2
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	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 12:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 20:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 20:45	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		10			111888	06/10/25 18:49	CH	EET MID

Client Sample ID: HA - 1
Date Collected: 06/05/25 08:10
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-3
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			4.95 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 13:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 13:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 21:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 21:51	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 18:57	CH	EET MID

Client Sample ID: HA - 1
Date Collected: 06/05/25 08:15
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-4
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	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 13:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 13:34	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 1
Date Collected: 06/05/25 08:15
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-4
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			112104	06/11/25 22:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 22:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 19:04	CH	EET MID

Client Sample ID: HA - 1
Date Collected: 06/05/25 08:20
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-5
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	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 13:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 22:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 22:24	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 19:11	CH	EET MID

Client Sample ID: HA - 2
Date Collected: 06/05/25 08:25
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-6
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			4.95 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 14:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 22:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 22:40	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		5			111888	06/10/25 19:33	CH	EET MID

Client Sample ID: HA - 2
Date Collected: 06/05/25 08:30
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-7
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			5.05 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 14:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 22:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 22:57	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 2
Date Collected: 06/05/25 08:30
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-7
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			4.97 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		5			111888	06/10/25 19:40	CH	EET MID

Client Sample ID: HA - 2
Date Collected: 06/05/25 08:35
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-8
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			5.00 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 14:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 14:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 23:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 23:12	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 19:47	CH	EET MID

Client Sample ID: HA - 2
Date Collected: 06/05/25 08:40
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-9
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			5.04 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 15:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 15:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 23:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 23:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 19:55	CH	EET MID

Client Sample ID: HA - 2
Date Collected: 06/05/25 08:45
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-10
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	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 15:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 15:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/11/25 23:45	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 20:02	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 3
Date Collected: 06/05/25 08:50
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-11
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			4.96 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 17:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 17:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 00:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/12/25 00:17	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		20			111888	06/10/25 20:09	CH	EET MID

Client Sample ID: HA - 3
Date Collected: 06/05/25 08:55
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-12
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			4.96 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 00:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/12/25 00:34	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		20			111888	06/10/25 20:31	CH	EET MID

Client Sample ID: HA - 3
Date Collected: 06/05/25 09:00
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 18:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 00:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/12/25 00:49	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		10			111888	06/10/25 20:38	CH	EET MID

Client Sample ID: HA - 3
Date Collected: 06/05/25 09:05
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-14
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	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:58	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 3
Date Collected: 06/05/25 09:05
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-14
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			112104	06/12/25 01:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/12/25 01:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 21:00	CH	EET MID

Client Sample ID: HA - 3
Date Collected: 06/05/25 09:10
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-15
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			5.02 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 19:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 01:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/12/25 01:21	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 21:08	CH	EET MID

Client Sample ID: HA - 4
Date Collected: 06/05/25 09:15
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-16
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	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 19:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 01:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/12/25 01:38	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		5			111888	06/10/25 21:15	CH	EET MID

Client Sample ID: HA - 4
Date Collected: 06/05/25 09:20
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-17
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			4.99 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 20:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 01:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/12/25 01:53	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 4
Date Collected: 06/05/25 09:20
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-17
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			4.96 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		20			111888	06/10/25 21:22	CH	EET MID

Client Sample ID: HA - 4
Date Collected: 06/05/25 09:25
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 20:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 20:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 02:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111748	06/09/25 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111969	06/12/25 02:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 21:30	CH	EET MID

Client Sample ID: HA - 4
Date Collected: 06/05/25 09:30
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-19
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	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 20:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 12:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 21:37	CH	EET MID

Client Sample ID: HA - 4
Date Collected: 06/05/25 09:35
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-20
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			5.01 g	5 mL	111768	06/09/25 10:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111644	06/09/25 21:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 21:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 13:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 13:31	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111836	06/09/25 14:57	SMC	EET MID
Soluble	Analysis	300.0		1			111888	06/10/25 21:44	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Date Collected: 06/05/25 09:40
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-21
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			5.01 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 12:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 13:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 13:46	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/10/25 22:43	CH	EET MID

Client Sample ID: HA - 5

Date Collected: 06/05/25 09:50
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-22
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			4.98 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 13:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 14:02	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/10/25 23:05	CH	EET MID

Client Sample ID: HA - 5

Date Collected: 06/05/25 10:00
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-23
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			4.95 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 13:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 14:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 14:20	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/10/25 23:12	CH	EET MID

Client Sample ID: HA - 6

Date Collected: 06/05/25 10:05
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-24
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			5.03 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 13:53	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 6
Date Collected: 06/05/25 10:05
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-24
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			112104	06/11/25 14:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 14:36	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		20			111891	06/11/25 01:26	CH	EET MID

Client Sample ID: HA - 6
Date Collected: 06/05/25 10:10
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 14:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 14:52	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		20			111891	06/11/25 01:48	CH	EET MID

Client Sample ID: HA - 6
Date Collected: 06/05/25 10:15
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 14:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 15:08	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		5			111891	06/11/25 01:55	CH	EET MID

Client Sample ID: HA - 6
Date Collected: 06/05/25 10:20
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-27
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	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 14:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 15:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 15:24	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 6
Date Collected: 06/05/25 10:20
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-27
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			4.97 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		1			111891	06/11/25 02:02	CH	EET MID

Client Sample ID: HA - 6
Date Collected: 06/05/25 10:25
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-28
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			5.00 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 15:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 15:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 15:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 15:40	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		1			111891	06/11/25 02:09	CH	EET MID

Client Sample ID: HA - 7
Date Collected: 06/05/25 10:30
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-29
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			5.04 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 15:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 16:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 16:12	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		50			111891	06/11/25 02:30	CH	EET MID

Client Sample ID: HA - 7
Date Collected: 06/05/25 10:35
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-30
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			4.95 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 16:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 16:28	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		5			111891	06/11/25 02:37	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 7
Date Collected: 06/05/25 10:40
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-31
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			4.96 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 17:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 16:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 16:44	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		5			111891	06/11/25 02:44	CH	EET MID

Client Sample ID: HA - 7
Date Collected: 06/05/25 10:45
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-32
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			4.96 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 17:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 17:00	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		1			111891	06/11/25 02:52	CH	EET MID

Client Sample ID: HA - 7
Date Collected: 06/05/25 10:50
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-33
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			5.01 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 17:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 17:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		10			111891	06/11/25 02:59	CH	EET MID

Client Sample ID: HA - 8
Date Collected: 06/05/25 10:55
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-34
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			5.03 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:48	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 8
Date Collected: 06/05/25 10:55
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-34
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			112104	06/11/25 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 17:32	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		20			111891	06/11/25 03:06	CH	EET MID

Client Sample ID: HA - 8
Date Collected: 06/05/25 11:00
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-35
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			5.02 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 19:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 19:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 17:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 17:48	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		10			111891	06/11/25 03:27	CH	EET MID

Client Sample ID: HA - 8
Date Collected: 06/05/25 11:05
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-36
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			5.01 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 19:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 18:04	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		1			111891	06/11/25 03:34	CH	EET MID

Client Sample ID: HA - 8
Date Collected: 06/05/25 11:10
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-37
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			4.99 g	5 mL	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 19:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 19:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 18:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 18:20	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8272-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: HA - 8
Lab Sample ID: 890-8272-37
Date Collected: 06/05/25 11:10
Matrix: Solid
Date Received: 06/06/25 09:30

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	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		1			111891	06/11/25 03:55	CH	EET MID

Client Sample ID: HA - 8
Lab Sample ID: 890-8272-38
Date Collected: 06/05/25 11:15
Matrix: Solid
Date Received: 06/06/25 09:30

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	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 20:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 20:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 18:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111749	06/09/25 08:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 18:36	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111838	06/09/25 15:05	SMC	EET MID
Soluble	Analysis	300.0		1			111891	06/11/25 04:03	CH	EET MID

Client Sample ID: HA - 9
Lab Sample ID: 890-8272-39
Date Collected: 06/05/25 11:20
Matrix: Solid
Date Received: 06/06/25 09:30

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	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 20:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 20:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 21:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	111972	06/11/25 21:34	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		10			111889	06/10/25 23:20	CH	EET MID

Client Sample ID: HA - 9
Lab Sample ID: 890-8272-40
Date Collected: 06/05/25 11:25
Matrix: Solid
Date Received: 06/06/25 09:30

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	111769	06/09/25 10:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111754	06/09/25 20:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 20:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 20:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 20:45	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		50			111889	06/10/25 23:27	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 9
Date Collected: 06/05/25 11:30
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-41
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			5.01 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 11:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 21:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 21:51	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		10			111889	06/10/25 23:49	CH	EET MID

Client Sample ID: HA - 9
Date Collected: 06/05/25 11:35
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-42
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			4.98 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 12:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 12:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 22:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 22:07	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/10/25 23:56	CH	EET MID

Client Sample ID: HA - 9
Date Collected: 06/05/25 11:40
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-43
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			4.95 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 12:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 22:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 22:24	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 00:04	CH	EET MID

Client Sample ID: HA - 10
Date Collected: 06/05/25 11:45
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-44
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			4.96 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 16:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 16:18	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 10

Date Collected: 06/05/25 11:45
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-44

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			112104	06/11/25 22:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 22:40	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 00:11	CH	EET MID

Client Sample ID: HA - 10

Date Collected: 06/05/25 11:50
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-45

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			4.96 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 22:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 22:57	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 00:18	CH	EET MID

Client Sample ID: HA - 11

Date Collected: 06/05/25 12:00
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-46

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			5.01 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 16:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 23:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 23:12	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 00:26	CH	EET MID

Client Sample ID: HA - 11

Date Collected: 06/05/25 12:05
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-47

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			5.03 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 23:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 23:30	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 11
Date Collected: 06/05/25 12:05
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-47
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			5.02 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 00:48	CH	EET MID

Client Sample ID: HA - 11
Date Collected: 06/05/25 12:10
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-48
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			5.02 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 17:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/11/25 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/11/25 23:45	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 00:55	CH	EET MID

Client Sample ID: HA - 12
Date Collected: 06/05/25 12:15
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-49
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			5.01 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 00:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/12/25 00:17	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		5			111889	06/11/25 01:17	CH	EET MID

Client Sample ID: HA - 12
Date Collected: 06/05/25 12:20
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-50
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			4.99 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 00:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/12/25 00:34	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		5			111889	06/11/25 01:24	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 12

Date Collected: 06/05/25 12:25
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-51
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			5.02 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 18:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 18:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 00:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/12/25 00:49	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 01:32	CH	EET MID

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:30
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-52
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			5.03 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 19:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 01:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/12/25 01:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		10			111889	06/11/25 01:39	CH	EET MID

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:35
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-53
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			5.01 g	5 mL	111764	06/09/25 10:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 19:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 19:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 01:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/12/25 01:21	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		20			111889	06/11/25 01:46	CH	EET MID

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:40
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-54
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	111767	06/09/25 10:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 23:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 23:28	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Client Sample ID: HA - 13

Date Collected: 06/05/25 12:40
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-54
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			112104	06/12/25 01:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/12/25 01:38	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 01:53	CH	EET MID

Client Sample ID: HA - 10

Date Collected: 06/05/25 11:55
Date Received: 06/06/25 09:30

Lab Sample ID: 890-8272-55
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	111767	06/09/25 10:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111751	06/09/25 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111831	06/09/25 23:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			112104	06/12/25 01:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111750	06/09/25 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111972	06/12/25 01:53	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111837	06/09/25 15:02	SMC	EET MID
Soluble	Analysis	300.0		1			111889	06/11/25 12:43	CH	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: 890-8272-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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	06-30-25

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: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8272-1	HA - 1	Solid	06/05/25 08:00	06/06/25 09:30	0.5
890-8272-2	HA - 1	Solid	06/05/25 08:05	06/06/25 09:30	1
890-8272-3	HA - 1	Solid	06/05/25 08:10	06/06/25 09:30	2
890-8272-4	HA - 1	Solid	06/05/25 08:15	06/06/25 09:30	3
890-8272-5	HA - 1	Solid	06/05/25 08:20	06/06/25 09:30	4
890-8272-6	HA - 2	Solid	06/05/25 08:25	06/06/25 09:30	0.5
890-8272-7	HA - 2	Solid	06/05/25 08:30	06/06/25 09:30	1
890-8272-8	HA - 2	Solid	06/05/25 08:35	06/06/25 09:30	2
890-8272-9	HA - 2	Solid	06/05/25 08:40	06/06/25 09:30	3
890-8272-10	HA - 2	Solid	06/05/25 08:45	06/06/25 09:30	4
890-8272-11	HA - 3	Solid	06/05/25 08:50	06/06/25 09:30	0.5
890-8272-12	HA - 3	Solid	06/05/25 08:55	06/06/25 09:30	1
890-8272-13	HA - 3	Solid	06/05/25 09:00	06/06/25 09:30	2
890-8272-14	HA - 3	Solid	06/05/25 09:05	06/06/25 09:30	3
890-8272-15	HA - 3	Solid	06/05/25 09:10	06/06/25 09:30	4
890-8272-16	HA - 4	Solid	06/05/25 09:15	06/06/25 09:30	0.5
890-8272-17	HA - 4	Solid	06/05/25 09:20	06/06/25 09:30	1
890-8272-18	HA - 4	Solid	06/05/25 09:25	06/06/25 09:30	2
890-8272-19	HA - 4	Solid	06/05/25 09:30	06/06/25 09:30	3
890-8272-20	HA - 4	Solid	06/05/25 09:35	06/06/25 09:30	4
890-8272-21	HA - 5	Solid	06/05/25 09:40	06/06/25 09:30	0.5
890-8272-22	HA - 5	Solid	06/05/25 09:50	06/06/25 09:30	2
890-8272-23	HA - 5	Solid	06/05/25 10:00	06/06/25 09:30	4
890-8272-24	HA - 6	Solid	06/05/25 10:05	06/06/25 09:30	0.5
890-8272-25	HA - 6	Solid	06/05/25 10:10	06/06/25 09:30	1
890-8272-26	HA - 6	Solid	06/05/25 10:15	06/06/25 09:30	2
890-8272-27	HA - 6	Solid	06/05/25 10:20	06/06/25 09:30	3
890-8272-28	HA - 6	Solid	06/05/25 10:25	06/06/25 09:30	4
890-8272-29	HA - 7	Solid	06/05/25 10:30	06/06/25 09:30	0.5
890-8272-30	HA - 7	Solid	06/05/25 10:35	06/06/25 09:30	1
890-8272-31	HA - 7	Solid	06/05/25 10:40	06/06/25 09:30	2
890-8272-32	HA - 7	Solid	06/05/25 10:45	06/06/25 09:30	3
890-8272-33	HA - 7	Solid	06/05/25 10:50	06/06/25 09:30	4
890-8272-34	HA - 8	Solid	06/05/25 10:55	06/06/25 09:30	0.5
890-8272-35	HA - 8	Solid	06/05/25 11:00	06/06/25 09:30	1
890-8272-36	HA - 8	Solid	06/05/25 11:05	06/06/25 09:30	2
890-8272-37	HA - 8	Solid	06/05/25 11:10	06/06/25 09:30	3
890-8272-38	HA - 8	Solid	06/05/25 11:15	06/06/25 09:30	4
890-8272-39	HA - 9	Solid	06/05/25 11:20	06/06/25 09:30	0.5
890-8272-40	HA - 9	Solid	06/05/25 11:25	06/06/25 09:30	1
890-8272-41	HA - 9	Solid	06/05/25 11:30	06/06/25 09:30	2
890-8272-42	HA - 9	Solid	06/05/25 11:35	06/06/25 09:30	3
890-8272-43	HA - 9	Solid	06/05/25 11:40	06/06/25 09:30	4
890-8272-44	HA - 10	Solid	06/05/25 11:45	06/06/25 09:30	0.5
890-8272-45	HA - 10	Solid	06/05/25 11:50	06/06/25 09:30	2
890-8272-46	HA - 11	Solid	06/05/25 12:00	06/06/25 09:30	0.5
890-8272-47	HA - 11	Solid	06/05/25 12:05	06/06/25 09:30	2
890-8272-48	HA - 11	Solid	06/05/25 12:10	06/06/25 09:30	4
890-8272-49	HA - 12	Solid	06/05/25 12:15	06/06/25 09:30	0.5
890-8272-50	HA - 12	Solid	06/05/25 12:20	06/06/25 09:30	2
890-8272-51	HA - 12	Solid	06/05/25 12:25	06/06/25 09:30	4
890-8272-52	HA - 13	Solid	06/05/25 12:30	06/06/25 09:30	0.5
890-8272-53	HA - 13	Solid	06/05/25 12:35	06/06/25 09:30	2
890-8272-54	HA - 13	Solid	06/05/25 12:40	06/06/25 09:30	4

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8272-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8272-55	HA - 10	Solid	06/05/25 11:55	06/06/25 09:30	4

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Chain of Custody

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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 1 of 67

Work Order No: BI

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TWN007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-5.4
Total Containers:		Corrected Temperature:	-5.2

ANALYSIS REQUEST

890-8272 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
HA-1	S	6.5.25	8:00	0.5	Grab/	1		X	X	X			Incident Number
HA-1	S	6.5.25	8:05	1	Grab/	1		X	X	X			nAPP2513556445
HA-1	S	6.5.25	8:10	2	Grab/	1		X	X	X			
HA-1	S	6.5.25	8:15	3	Grab/	1		X	X	X			
HA-1	S	6.5.25	8:20	4	Grab/	1		X	X	X			
HA-2	S	6.5.25	8:25	0.5	Grab/	1		X	X	X			
HA-2	S	6.5.25	8:30	1	Grab/	1		X	X	X			
HA-2	S	6.5.25	8:35	2	Grab/	1		X	X	X			
HA-2	S	6.5.25	8:40	3	Grab/	1		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			6/6 930	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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 67

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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:	-5.4	
Total Containers:		Corrected Temperature:	-5.2	

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
HA-2	S	6.5.25	8:45	4	Grab/	1	X	X	X			Incident Number
HA-3	S	6.5.25	8:50	0.5	Grab/	1	X	X	X			nAPP2513556445
HA-3	S	6.5.25	8:55	1	Grab/	1	X	X	X			
HA-3	S	6.5.25	9:00	2	Grab/	1	X	X	X			
HA-3	S	6.5.25	9:05	3	Grab/	1	X	X	X			
HA-3	S	6.5.25	9:10	4	Grab/	1	X	X	X			
HA-4	S	6.5.25	9:15	0.5	Grab/	1	X	X	X			
HA-4	S	6.5.25	9:20	1	Grab/	1	X	X	X			
HA-4	S	6.5.25	9:25	2	Grab/	1	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 Gilbert	Burns	6/6 930	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
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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)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNMCC7	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-5.4	
Total Containers:		Corrected Temperature:	-5.2	

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

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
HA-4	S	6.5.25	9:30	3	Grab/	1		X	X	X			Incident Number
HA-4	S	6.5.25	9:35	4	Grab/	1		X	X	X			nAPP2513556445
HA-5	S	6.5.25	9:40	0.5	Grab/	1		X	X	X			
HA-5	S	6.5.25	9:50	2	Grab/	1		X	X	X			
HA-5	S	6.5.25	10:00	4	Grab/	1		X	X	X			
HA-6	S	6.5.25	10:05	0.5	Grab/	1		X	X	X			
HA-6	S	6.5.25	10:10	1	Grab/	1		X	X	X			
HA-6	S	6.5.25	10:15	2	Grab/	1		X	X	X			
HA-6	S	6.5.25	10:20	3	Grab/	1		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			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Chain of Custody

eurofins | Environment Testing Xenco

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

Work Order No: _____

www.xenco.com Page 4 of 47

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNmac3
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-5.4
Total Containers:		Corrected Temperature:	-5.2

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

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
HA-6	S	6.5.25	10:25	4	Grab/	1		X	X	X			Incident Number
HA-7	S	6.5.25	10:30	0.5	Grab/	1		X	X	X			nAPP2513556445
HA-7	S	6.5.25	10:35	1	Grab/	1		X	X	X			
HA-7	S	6.5.25	10:40	2	Grab/	1		X	X	X			
HA-7	S	6.5.25	10:45	3	Grab/	1		X	X	X			
HA-7	S	6.5.25	10:50	4	Grab/	1		X	X	X			
HA-8	S	6.5.25	10:55	0.5	Grab/	1		X	X	X			
HA-8	S	6.5.25	11:00	1	Grab/	1		X	X	X			
HA-8	S	6.5.25	11:05	2	Grab/	1		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 Gabriel	Brian	6/6 930	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Chain of Custody

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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 5 of 67

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	INV-003
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-5.4
Total Containers:		Corrected Temperature:	-5.2

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	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-8	S	6.5.25	11:10	3	Grab/	1	X	X	X			Incident Number
HA-8	S	6.5.25	11:15	4	Grab/	1	X	X	X			nAPP2513556445
HA-9	S	6.5.25	11:20	0.5	Grab/	1	X	X	X			
HA-9	S	6.5.25	11:25	1	Grab/	1	X	X	X			
HA-9	S	6.5.25	11:30	2	Grab/	1	X	X	X			
HA-9	S	6.5.25	11:35	3	Grab/	1	X	X	X			
HA-9	S	6.5.25	11:40	4	Grab/	1	X	X	X			
HA-10	S	6.5.25	11:45	0.5	Grab/	1	X	X	X			
HA-10	S	6.5.25	11:50	2	Grab/	1	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 Gilbert	Brent	6/6 930	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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 6 of 67

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNM003	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-5.4	
Total Containers:		Corrected Temperature:	-5.2	

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	Sample Comments
HA-11	S	6.5.25	12:00	0.5	Grab/	1		X	X	X			Incident Number
HA-11	S	6.5.25	12:05	2	Grab/	1		X	X	X			nAPP2513556445
HA-11	S	6.5.25	12:10	4	Grab/	1		X	X	X			
HA-12	S	6.5.25	12:15	0.5	Grab/	1		X	X	X			
HA-12	S	6.5.25	12:20	2	Grab/	1		X	X	X			
HA-12	S	6.5.25	12:25	4	Grab/	1		X	X	X			
HA-13	S	6.5.25	12:30	0.5	Grab/	1		X	X	X			
HA-13	S	6.5.25	12:35	2	Grab/	1		X	X	X			
HA-13	S	6.5.25	12:40	4	Grab/	1		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			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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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 7 of 7

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	

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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☒ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Twm007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-5.4
Total Containers:		Corrected Temperature:	-5.2

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH - NM	Chloride - NM	BTEX - NM
HA-10	S	6/5/25	1155	4'	Grab			✓	✓	✓

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

nAPP2513556445

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 TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6/6 9:30	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 183 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5261.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 7
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8272-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/12/2025			Preservation Codes: -
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 1 (890-8272-1)	6/5/25	08:00 Central	G	Solid			X	X	X	X	X	1	
HA - 1 (890-8272-2)	6/5/25	08:05 Central	G	Solid			X	X	X	X	X	1	
HA - 1 (890-8272-3)	6/5/25	08:10 Central	G	Solid			X	X	X	X	X	1	
HA - 1 (890-8272-4)	6/5/25	08:15 Central	G	Solid			X	X	X	X	X	1	
HA - 1 (890-8272-5)	6/5/25	08:20 Central	G	Solid			X	X	X	X	X	1	
HA - 2 (890-8272-6)	6/5/25	08:25 Central	G	Solid			X	X	X	X	X	1	
HA - 2 (890-8272-7)	6/5/25	08:30 Central	G	Solid			X	X	X	X	X	1	
HA - 2 (890-8272-8)	6/5/25	08:35 Central	G	Solid			X	X	X	X	X	1	
HA - 2 (890-8272-9)	6/5/25	08:40 Central	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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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
		6/6 1630				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/9/25 800	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.5/2.4 -.1 IR

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM
Page 108 of 116
6/12/2025
Released to Imaging: 1/26/2026 3:27:17 PM

Page 184 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5261.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 7
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8272-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/12/2025			
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: Ross Draw Unit 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 2 (890-8272-10)	6/5/25	08:45 Central	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8272-11)	6/5/25	08:50 Central	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8272-12)	6/5/25	08:55 Central	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8272-13)	6/5/25	09:00 Central	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8272-14)	6/5/25	09:05 Central	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8272-15)	6/5/25	09:10 Central	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8272-16)	6/5/25	09:15 Central	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8272-17)	6/5/25	09:20 Central	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8272-18)	6/5/25	09:25 Central	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
1	[signature]	6/6 1630		[signature]		
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/9/25 800	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Page 185 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5261.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 3 of 7
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8272-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/12/2025			
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: Ross Draw Unit 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 4 (890-8272-19)	6/5/25	09:30 Central	G	Solid			X	X	X	X	X	1	
HA - 4 (890-8272-20)	6/5/25	09:35 Central	G	Solid			X	X	X	X	X	1	
HA - 5 (890-8272-21)	6/5/25	09:40 Central	G	Solid			X	X	X	X	X	1	
HA - 5 (890-8272-22)	6/5/25	09:50 Central	G	Solid			X	X	X	X	X	1	
HA - 5 (890-8272-23)	6/5/25	10:00 Central	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8272-24)	6/5/25	10:05 Central	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8272-25)	6/5/25	10:10 Central	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8272-26)	6/5/25	10:15 Central	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8272-27)	6/5/25	10:20 Central	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:	Date/Time: 6/6/25 800	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM

Page 110 of 116

6/12/2025

Released to Imaging: 1/26/2026 3:27:17 PM

Page 186 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5261.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 4 of 7
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8272-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/12/2025			
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: 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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X						X	
HA - 6 (890-8272-28)	6/5/25	10:25 Central	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8272-29)	6/5/25	10:30 Central	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8272-30)	6/5/25	10:35 Central	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8272-31)	6/5/25	10:40 Central	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8272-32)	6/5/25	10:45 Central	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8272-33)	6/5/25	10:50 Central	G	Solid			X	X	X	X	X	1	
HA - 8 (890-8272-34)	6/5/25	10:55 Central	G	Solid			X	X	X	X	X	1	
HA - 8 (890-8272-35)	6/5/25	11:00 Central	G	Solid			X	X	X	X	X	1	
HA - 8 (890-8272-36)	6/5/25	11:05 Central	G	Solid			X	X	X	X	X	1	

Preservation Codes: -

Other: N/A

Analysis Requested

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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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
		6/6 1638				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
					6/9/25 800	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

6/12/2025

Page 111 of 116

Page 187 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5261.5
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 5 of 7
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8272-1
Address: 1211 W. Florida Ave,	Due Date Requested: 6/12/2025			Preservation Codes: -
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 8 (890-8272-37)	6/5/25	11:10 Central	G	Solid			X	X	X	X	X	1	
HA - 8 (890-8272-38)	6/5/25	11:15 Central	G	Solid			X	X	X	X	X	1	
HA - 9 (890-8272-39)	6/5/25	11:20 Central	G	Solid			X	X	X	X	X	1	
HA - 9 (890-8272-40)	6/5/25	11:25 Central	G	Solid			X	X	X	X	X	1	
HA - 9 (890-8272-41)	6/5/25	11:30 Central	G	Solid			X	X	X	X	X	1	
HA - 9 (890-8272-42)	6/5/25	11:35 Central	G	Solid			X	X	X	X	X	1	
HA - 9 (890-8272-43)	6/5/25	11:40 Central	G	Solid			X	X	X	X	X	1	
HA - 10 (890-8272-44)	6/5/25	11:45 Central	G	Solid			X	X	X	X	X	1	
HA - 10 (890-8272-45)	6/5/25	11:50 Central	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: 6/6 1630	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/9/25 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

6/12/2025
Page 112 of 116
Received by OCD: 11/18/2025 12:30:18 PM
Released to Imaging: 1/26/2026 3:27:17 PM

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5261.6
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 6 of 7
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8272-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/12/2025			Preservation Codes: -
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 11 (890-8272-46)	6/5/25	12:00 Central	G	Solid			X	X	X	X	X	1	
HA - 11 (890-8272-47)	6/5/25	12:05 Central	G	Solid			X	X	X	X	X	1	
HA - 11 (890-8272-48)	6/5/25	12:10 Central	G	Solid			X	X	X	X	X	1	
HA - 12 (890-8272-49)	6/5/25	12:15 Central	G	Solid			X	X	X	X	X	1	
HA - 12 (890-8272-50)	6/5/25	12:20 Central	G	Solid			X	X	X	X	X	1	
HA - 12 (890-8272-51)	6/5/25	12:25 Central	G	Solid			X	X	X	X	X	1	
HA - 13 (890-8272-52)	6/5/25	12:30 Central	G	Solid			X	X	X	X	X	1	
HA - 13 (890-8272-53)	6/5/25	12:35 Central	G	Solid			X	X	X	X	X	1	
HA - 13 (890-8272-54)	6/5/25	12:40 Central	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:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Page 188 of 808
Received by OCD: 11/18/2025 12:30:18 PM
6/12/2025
Page 113 of 116
Released to Imaging: 1/26/2026 3:27:17 PM

Page 189 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5261.7
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 7 of 7
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8272-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/12/2025			Preservation Codes: -
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA - 10 (890-8272-55)	6/5/25	11:55 Central	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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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: 6/6 16 30	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/9/25 800	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM
Released to Imaging: 1/26/2026 3:27:17 PM
6/12/2025
Page 114 of 116

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8272-1
SDG Number: Eddy County, NM

Login Number: 8272
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: 890-8272-1
SDG Number: Eddy County, NM

Login Number: 8272
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 06/09/25 08:42 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/12/2025 10:59:15 AM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8274-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 1/20/2026 3:27:17 PM

my EOL

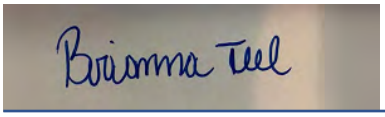
Eurofins Carlsbad

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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Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Laboratory Job ID: 890-8274-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 28
QC Sample Results 30
QC Association Summary 36
Lab Chronicle 43
Certification Summary 52
Method Summary 53
Sample Summary 54
Chain of Custody 55
Receipt Checklists 61

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Qualifiers

GC 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.

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.
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: 890-8274-1
Project: Ross Draw Unit 43

Job ID: 890-8274-1 Eurofins Carlsbad

Job Narrative
890-8274-1

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

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

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

Receipt
The samples were received on 6/9/2025 8:21 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 -5.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-14 (890-8274-1), HA-14 (890-8274-2), HA-14 (890-8274-3), HA-15 (890-8274-4), HA-15 (890-8274-5), HA-15 (890-8274-6), HA-16 (890-8274-7), HA-16 (890-8274-8), HA-16 (890-8274-9), HA-17 (890-8274-10), HA-17 (890-8274-11), HA-17 (890-8274-12), HA-18 (890-8274-13), HA-18 (890-8274-14), HA-18 (890-8274-15), HA-19 (890-8274-16), HA-19 (890-8274-17), HA-19 (890-8274-18), HA-20 (890-8274-19), HA-20 (890-8274-20), HA-20 (890-8274-21), HA-20 (890-8274-22), HA-21 (890-8274-23), HA-21 (890-8274-24), HA-21 (890-8274-25), HA-22 (890-8274-26), HA-22 (890-8274-27) and HA-22 (890-8274-28).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: HA-16 (890-8274-7) and HA-20 (890-8274-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-111867 and analytical batch 880-111859 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.

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA-20 (890-8274-19). 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: HA-15 (890-8274-4), HA-16 (890-8274-7) and HA-17 (890-8274-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111890 and analytical batch 880-111916 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: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-14

Date Collected: 06/06/25 10:00
Date Received: 06/09/25 08:21
Sample Depth: 0.5

Lab Sample ID: 890-8274-1
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		06/10/25 09:33	06/10/25 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 11:54	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		06/10/25 09:33	06/10/25 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 11:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/25 09:33	06/10/25 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/10/25 09:33*	*06/10/25 11:54*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/10/25 09:33*	*06/10/25 11:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/10/25 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**920**		50.0		mg/Kg			06/11/25 03:27	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		06/10/25 09:02	06/11/25 03:27	1
Diesel Range Organics (Over C10-C28)	**920**		50.0		mg/Kg		06/10/25 09:02	06/11/25 03:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/10/25 09:02*	*06/11/25 03:27*	*1*
o-Terphenyl	*122*		*70 - 130*	*06/10/25 09:02*	*06/11/25 03:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10700**	**F1**	198		mg/Kg			06/11/25 02:52	20

Client Sample ID: HA-14

Date Collected: 06/06/25 10:05
Date Received: 06/09/25 08:21
Sample Depth: 2

Lab Sample ID: 890-8274-2
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		06/10/25 09:33	06/10/25 12:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 12:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 12:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/25 09:33	06/10/25 12:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 12:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/25 09:33	06/10/25 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/10/25 09:33*	*06/10/25 12:14*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-14

Date Collected: 06/06/25 10:05
Date Received: 06/09/25 08:21
Sample Depth: 2

Lab Sample ID: 890-8274-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/10/25 09:33*	*06/10/25 12:14*	*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			06/10/25 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/11/25 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		06/10/25 09:02	06/11/25 03:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 03:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/10/25 09:02*	*06/11/25 03:43*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/10/25 09:02*	*06/11/25 03:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		9.96		mg/Kg			06/11/25 03:14	1

Client Sample ID: HA-14

Date Collected: 06/06/25 10:10
Date Received: 06/09/25 08:21
Sample Depth: 4

Lab Sample ID: 890-8274-3

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		06/10/25 09:33	06/10/25 12:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:33	06/10/25 12:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:33	06/10/25 12:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/10/25 09:33	06/10/25 12:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:33	06/10/25 12:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/10/25 09:33	06/10/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/10/25 09:33*	*06/10/25 12:35*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/10/25 09:33*	*06/10/25 12:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/10/25 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/11/25 03:59	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-14

Lab Sample ID: 890-8274-3
Matrix: Solid
Date Collected: 06/06/25 10:10
Date Received: 06/09/25 08:21
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		06/10/25 09:02	06/11/25 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 03:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/10/25 09:02*	*06/11/25 03:59*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/10/25 09:02*	*06/11/25 03:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		9.98		mg/Kg			06/11/25 03:21	1

Client Sample ID: HA-15

Lab Sample ID: 890-8274-4
Matrix: Solid
Date Collected: 06/06/25 10:15
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 12:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 12:55	1
Ethylbenzene	**0.00396**		0.00199		mg/Kg		06/10/25 09:33	06/10/25 12:55	1
m-Xylene & p-Xylene	**0.0241**		0.00398		mg/Kg		06/10/25 09:33	06/10/25 12:55	1
o-Xylene	**0.0158**		0.00199		mg/Kg		06/10/25 09:33	06/10/25 12:55	1
Xylenes, Total	**0.0399**		0.00398		mg/Kg		06/10/25 09:33	06/10/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/10/25 09:33*	*06/10/25 12:55*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/10/25 09:33*	*06/10/25 12:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0439**		0.00398		mg/Kg			06/10/25 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**6690**		497		mg/Kg			06/11/25 04:15	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	<497	U	497		mg/Kg		06/10/25 09:02	06/11/25 04:15	10
Diesel Range Organics (Over C10-C28)	**6690**		497		mg/Kg		06/10/25 09:02	06/11/25 04:15	10
Oil Range Organics (Over C28-C36)	<497	U	497		mg/Kg		06/10/25 09:02	06/11/25 04:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*06/10/25 09:02*	*06/11/25 04:15*	*10*
o-Terphenyl	*188*	*S1+*	*70 - 130*	*06/10/25 09:02*	*06/11/25 04:15*	*10*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-15

Lab Sample ID: 890-8274-4
Matrix: Solid
Date Collected: 06/06/25 10:15
Date Received: 06/09/25 08:21
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**287**		10.0		mg/Kg			06/11/25 03:28	1

Client Sample ID: HA-15

Lab Sample ID: 890-8274-5
Matrix: Solid
Date Collected: 06/06/25 10:20
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/10/25 09:33	06/10/25 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/25 09:33	06/10/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/10/25 09:33*	*06/10/25 13:16*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/10/25 09:33*	*06/10/25 13:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/10/25 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**77.2**		49.7		mg/Kg			06/11/25 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/10/25 09:02	06/11/25 04:31	1
Diesel Range Organics (Over C10-C28)	**77.2**		49.7		mg/Kg		06/10/25 09:02	06/11/25 04:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/10/25 09:02	06/11/25 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/10/25 09:02*	*06/11/25 04:31*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/10/25 09:02*	*06/11/25 04:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		9.94		mg/Kg			06/11/25 03:36	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-15

Lab Sample ID: 890-8274-6
Matrix: Solid
Date Collected: 06/06/25 10:25
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 13:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 13:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 13:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/25 09:33	06/10/25 13:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 13:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/25 09:33	06/10/25 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/10/25 09:33*	*06/10/25 13:36*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/10/25 09:33*	*06/10/25 13:36*	*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			06/10/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/11/25 04:48	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	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 04:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 04:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/10/25 09:02*	*06/11/25 04:48*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/10/25 09:02*	*06/11/25 04:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		9.92		mg/Kg			06/11/25 03:58	1

Client Sample ID: HA-16

Lab Sample ID: 890-8274-7
Matrix: Solid
Date Collected: 06/06/25 10:35
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 13:56	1
Toluene	**0.00586**		0.00202		mg/Kg		06/10/25 09:33	06/10/25 13:56	1
Ethylbenzene	**0.0321**		0.00202		mg/Kg		06/10/25 09:33	06/10/25 13:56	1
m-Xylene & p-Xylene	**0.174**		0.00404		mg/Kg		06/10/25 09:33	06/10/25 13:56	1
o-Xylene	**0.125**		0.00202		mg/Kg		06/10/25 09:33	06/10/25 13:56	1
Xylenes, Total	**0.299**		0.00404		mg/Kg		06/10/25 09:33	06/10/25 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*274*	*S1+*	*70 - 130*	*06/10/25 09:33*	*06/10/25 13:56*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-16

Lab Sample ID: 890-8274-7
Matrix: Solid

Date Collected: 06/06/25 10:35
Date Received: 06/09/25 08:21
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/10/25 09:33*	*06/10/25 13:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.337**		0.00404		mg/Kg			06/10/25 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**10400**		996		mg/Kg			06/11/25 05:03	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	<996	U	996		mg/Kg		06/10/25 09:02	06/11/25 05:03	20
Diesel Range Organics (Over C10-C28)	**10400**		996		mg/Kg		06/10/25 09:02	06/11/25 05:03	20
Oil Range Organics (Over C28-C36)	<996	U	996		mg/Kg		06/10/25 09:02	06/11/25 05:03	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/10/25 09:02*	*06/11/25 05:03*	*20*
o-Terphenyl	*290*	*S1+*	*70 - 130*	*06/10/25 09:02*	*06/11/25 05:03*	*20*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**485**		9.94		mg/Kg			06/11/25 04:05	1

Client Sample ID: HA-16

Lab Sample ID: 890-8274-8
Matrix: Solid

Date Collected: 06/06/25 10:40
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 14:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 14:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 14:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/25 09:33	06/10/25 14:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 14:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/25 09:33	06/10/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/10/25 09:33*	*06/10/25 14:17*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/10/25 09:33*	*06/10/25 14:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/10/25 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**361**		49.9		mg/Kg			06/11/25 05:20	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-16

Lab Sample ID: 890-8274-8
Matrix: Solid
Date Collected: 06/06/25 10:40
Date Received: 06/09/25 08:21
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		06/10/25 09:02	06/11/25 05:20	1
Diesel Range Organics (Over C10-C28)	**361**		49.9		mg/Kg		06/10/25 09:02	06/11/25 05:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/25 09:02	06/11/25 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/10/25 09:02*	*06/11/25 05:20*	*1*
o-Terphenyl	*106*		*70 - 130*	*06/10/25 09:02*	*06/11/25 05:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		9.96		mg/Kg			06/11/25 09:12	1

Client Sample ID: HA-16

Lab Sample ID: 890-8274-9
Matrix: Solid
Date Collected: 06/06/25 10:45
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 14:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:33	06/10/25 14:37	1
Ethylbenzene	**0.00265**		0.00198		mg/Kg		06/10/25 09:33	06/10/25 14:37	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/10/25 09:33	06/10/25 14:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:33	06/10/25 14:37	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/10/25 09:33	06/10/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/10/25 09:33*	*06/10/25 14:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/10/25 09:33*	*06/10/25 14:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/10/25 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**574**		50.0		mg/Kg			06/11/25 05:52	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	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 05:52	1
Diesel Range Organics (Over C10-C28)	**574**		50.0		mg/Kg		06/10/25 09:02	06/11/25 05:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/10/25 09:02*	*06/11/25 05:52*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/10/25 09:02*	*06/11/25 05:52*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-16

Lab Sample ID: 890-8274-9
Matrix: Solid
Date Collected: 06/06/25 10:45
Date Received: 06/09/25 08:21
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**196**		10.0		mg/Kg			06/11/25 04:20	1

Client Sample ID: HA-17

Lab Sample ID: 890-8274-10
Matrix: Solid
Date Collected: 06/06/25 10:55
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 14:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:33	06/10/25 14:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:33	06/10/25 14:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/10/25 09:33	06/10/25 14:58	1
o-Xylene	**0.00669**		0.00198		mg/Kg		06/10/25 09:33	06/10/25 14:58	1
Xylenes, Total	**0.00669**		0.00396		mg/Kg		06/10/25 09:33	06/10/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/10/25 09:33*	*06/10/25 14:58*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/10/25 09:33*	*06/10/25 14:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00669**		0.00396		mg/Kg			06/10/25 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**6770**		498		mg/Kg			06/11/25 06:07	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	<498	U	498		mg/Kg		06/10/25 09:02	06/11/25 06:07	10
Diesel Range Organics (Over C10-C28)	**6770**		498		mg/Kg		06/10/25 09:02	06/11/25 06:07	10
Oil Range Organics (Over C28-C36)	<498	U	498		mg/Kg		06/10/25 09:02	06/11/25 06:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/10/25 09:02*	*06/11/25 06:07*	*10*
o-Terphenyl	*194*	*S1+*	*70 - 130*	*06/10/25 09:02*	*06/11/25 06:07*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**189**		10.0		mg/Kg			06/11/25 04:27	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-17

Lab Sample ID: 890-8274-11
Matrix: Solid

Date Collected: 06/06/25 11:00
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 16:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 16:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 16:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/25 09:33	06/10/25 16:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:33	06/10/25 16:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/25 09:33	06/10/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/10/25 09:33*	*06/10/25 16:32*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/10/25 09:33*	*06/10/25 16:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/10/25 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**179**		50.5		mg/Kg			06/11/25 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		06/10/25 09:02	06/11/25 06:23	1
Diesel Range Organics (Over C10-C28)	**179**		50.5		mg/Kg		06/10/25 09:02	06/11/25 06:23	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		06/10/25 09:02	06/11/25 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/10/25 09:02*	*06/11/25 06:23*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/10/25 09:02*	*06/11/25 06:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		10.1		mg/Kg			06/11/25 04:34	1

Client Sample ID: HA-17

Lab Sample ID: 890-8274-12
Matrix: Solid

Date Collected: 06/06/25 11:05
Date Received: 06/09/25 08:21
Sample Depth: 4

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		06/10/25 09:33	06/10/25 16:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:33	06/10/25 16:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:33	06/10/25 16:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/10/25 09:33	06/10/25 16:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:33	06/10/25 16:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/10/25 09:33	06/10/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/10/25 09:33*	*06/10/25 16:52*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-17

Lab Sample ID: 890-8274-12
Matrix: Solid
Date Collected: 06/06/25 11:05
Date Received: 06/09/25 08:21
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/10/25 09:33*	*06/10/25 16:52*	*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			06/10/25 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/11/25 06:39	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	<50.1	U	50.1		mg/Kg		06/10/25 09:02	06/11/25 06:39	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/10/25 09:02	06/11/25 06:39	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/10/25 09:02	06/11/25 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/10/25 09:02*	*06/11/25 06:39*	*1*
o-Terphenyl	*100*		*70 - 130*	*06/10/25 09:02*	*06/11/25 06:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.3**		10.0		mg/Kg			06/11/25 04:56	1

Client Sample ID: HA-18

Lab Sample ID: 890-8274-13
Matrix: Solid
Date Collected: 06/06/25 11:15
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 17:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:33	06/10/25 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 17:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:33	06/10/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/10/25 09:33*	*06/10/25 17:13*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/10/25 09:33*	*06/10/25 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/10/25 17:13	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			06/11/25 06:55	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-18
Date Collected: 06/06/25 11:15
Date Received: 06/09/25 08:21
Sample Depth: 0.5

Lab Sample ID: 890-8274-13
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	<49.9	U	49.9		mg/Kg		06/10/25 09:02	06/11/25 06:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/25 09:02	06/11/25 06:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/25 09:02	06/11/25 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*06/10/25 09:02*	*06/11/25 06:55*	*1*
o-Terphenyl	*106*		*70 - 130*	*06/10/25 09:02*	*06/11/25 06:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		10.1		mg/Kg			06/11/25 05:04	1

Client Sample ID: HA-18
Date Collected: 06/06/25 11:20
Date Received: 06/09/25 08:21
Sample Depth: 2

Lab Sample ID: 890-8274-14
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		06/10/25 09:33	06/10/25 17:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 17:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 17:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/25 09:33	06/10/25 17:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 17:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/25 09:33	06/10/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/10/25 09:33*	*06/10/25 17:33*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/10/25 09:33*	*06/10/25 17:33*	*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			06/10/25 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**123**		50.0		mg/Kg			06/11/25 07:11	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		06/10/25 09:02	06/11/25 07:11	1
Diesel Range Organics (Over C10-C28)	**123**		50.0		mg/Kg		06/10/25 09:02	06/11/25 07:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 07:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/10/25 09:02*	*06/11/25 07:11*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/10/25 09:02*	*06/11/25 07:11*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-18
Date Collected: 06/06/25 11:20
Date Received: 06/09/25 08:21
Sample Depth: 2

Lab Sample ID: 890-8274-14
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		9.94		mg/Kg			06/11/25 05:25	1

Client Sample ID: HA-18
Date Collected: 06/06/25 11:25
Date Received: 06/09/25 08:21
Sample Depth: 4

Lab Sample ID: 890-8274-15
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		06/10/25 09:33	06/10/25 17:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:33	06/10/25 17:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:33	06/10/25 17:54	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/10/25 09:33	06/10/25 17:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:33	06/10/25 17:54	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/10/25 09:33	06/10/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/10/25 09:33*	*06/10/25 17:54*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/10/25 09:33*	*06/10/25 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/10/25 17:54	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			06/11/25 07:27	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	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 07:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 07:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/10/25 09:02	06/11/25 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/10/25 09:02*	*06/11/25 07:27*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/10/25 09:02*	*06/11/25 07:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		9.92		mg/Kg			06/11/25 05:33	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-19

Date Collected: 06/06/25 11:30
Date Received: 06/09/25 08:21
Sample Depth: 0.5

Lab Sample ID: 890-8274-16
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		06/10/25 09:33	06/10/25 18:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:33	06/10/25 18:14	1
Ethylbenzene	**0.00449**		0.00202		mg/Kg		06/10/25 09:33	06/10/25 18:14	1
m-Xylene & p-Xylene	**0.0294**		0.00403		mg/Kg		06/10/25 09:33	06/10/25 18:14	1
o-Xylene	**0.0245**		0.00202		mg/Kg		06/10/25 09:33	06/10/25 18:14	1
Xylenes, Total	**0.0539**		0.00403		mg/Kg		06/10/25 09:33	06/10/25 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/10/25 09:33*	*06/10/25 18:14*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/10/25 09:33*	*06/10/25 18:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0584**		0.00403		mg/Kg			06/10/25 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1710**		49.7		mg/Kg			06/11/25 07:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**57.7**		49.7		mg/Kg		06/10/25 09:02	06/11/25 07:44	1
Diesel Range Organics (Over C10-C28)	**1650**		49.7		mg/Kg		06/10/25 09:02	06/11/25 07:44	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/10/25 09:02	06/11/25 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/10/25 09:02*	*06/11/25 07:44*	*1*
o-Terphenyl	*124*		*70 - 130*	*06/10/25 09:02*	*06/11/25 07:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**172**		10.0		mg/Kg			06/11/25 05:40	1

Client Sample ID: HA-19

Date Collected: 06/06/25 11:35
Date Received: 06/09/25 08:21
Sample Depth: 2

Lab Sample ID: 890-8274-17
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		06/10/25 09:33	06/10/25 18:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 18:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 18:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/25 09:33	06/10/25 18:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:33	06/10/25 18:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/25 09:33	06/10/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/10/25 09:33*	*06/10/25 18:34*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-19

Lab Sample ID: 890-8274-17
Matrix: Solid
Date Collected: 06/06/25 11:35
Date Received: 06/09/25 08:21
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/10/25 09:33*	*06/10/25 18:34*	*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			06/10/25 18:34	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			06/11/25 08:00	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	<49.7	U	49.7		mg/Kg		06/10/25 09:02	06/11/25 08:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/10/25 09:02	06/11/25 08:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/10/25 09:02	06/11/25 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/10/25 09:02*	*06/11/25 08:00*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/10/25 09:02*	*06/11/25 08:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		9.94		mg/Kg			06/11/25 05:47	1

Client Sample ID: HA-19

Lab Sample ID: 890-8274-18
Matrix: Solid
Date Collected: 06/06/25 11:40
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 18:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 18:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 18:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:33	06/10/25 18:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 18:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:33	06/10/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/10/25 09:33*	*06/10/25 18:55*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/10/25 09:33*	*06/10/25 18:55*	*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			06/10/25 18:55	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			06/11/25 08:16	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-19

Lab Sample ID: 890-8274-18
Matrix: Solid
Date Collected: 06/06/25 11:40
Date Received: 06/09/25 08:21
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		06/10/25 09:02	06/11/25 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 08:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/10/25 09:02*	*06/11/25 08:16*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/10/25 09:02*	*06/11/25 08:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		9.90		mg/Kg			06/11/25 05:55	1

Client Sample ID: HA-20

Lab Sample ID: 890-8274-19
Matrix: Solid
Date Collected: 06/06/25 11:45
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 19:15	1
Toluene	**0.0109**		0.00198		mg/Kg		06/10/25 09:33	06/10/25 19:15	1
Ethylbenzene	**0.0568**		0.00198		mg/Kg		06/10/25 09:33	06/10/25 19:15	1
m-Xylene & p-Xylene	**0.301**		0.00397		mg/Kg		06/10/25 09:33	06/10/25 19:15	1
o-Xylene	**0.200**		0.00198		mg/Kg		06/10/25 09:33	06/10/25 19:15	1
Xylenes, Total	**0.501**		0.00397		mg/Kg		06/10/25 09:33	06/10/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*329*	*S1+*	*70 - 130*	*06/10/25 09:33*	*06/10/25 19:15*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/10/25 09:33*	*06/10/25 19:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.569**		0.00397		mg/Kg			06/10/25 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**12300**		996		mg/Kg			06/11/25 04:48	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	<996	U	996		mg/Kg		06/09/25 09:12	06/11/25 04:48	20
Diesel Range Organics (Over C10-C28)	**12300**		996		mg/Kg		06/09/25 09:12	06/11/25 04:48	20
Oil Range Organics (Over C28-C36)	<996	U	996		mg/Kg		06/09/25 09:12	06/11/25 04:48	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*06/09/25 09:12*	*06/11/25 04:48*	*20*
o-Terphenyl	*315*	*S1+*	*70 - 130*	*06/09/25 09:12*	*06/11/25 04:48*	*20*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-20
Lab Sample ID: 890-8274-19
Date Collected: 06/06/25 11:45
Matrix: Solid
Date Received: 06/09/25 08:21
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**138**		9.90		mg/Kg			06/11/25 06:02	1

Client Sample ID: HA-20
Lab Sample ID: 890-8274-20
Date Collected: 06/06/25 11:50
Matrix: Solid
Date Received: 06/09/25 08:21
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		06/10/25 09:33	06/10/25 19:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:33	06/10/25 19:36	1
Ethylbenzene	**0.00319**		0.00198		mg/Kg		06/10/25 09:33	06/10/25 19:36	1
m-Xylene & p-Xylene	**0.0195**		0.00396		mg/Kg		06/10/25 09:33	06/10/25 19:36	1
o-Xylene	**0.0123**		0.00198		mg/Kg		06/10/25 09:33	06/10/25 19:36	1
Xylenes, Total	**0.0318**		0.00396		mg/Kg		06/10/25 09:33	06/10/25 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/10/25 09:33*	*06/10/25 19:36*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/10/25 09:33*	*06/10/25 19:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0350**		0.00396		mg/Kg			06/10/25 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**615**		49.7		mg/Kg			06/11/25 05:03	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		06/09/25 09:12	06/11/25 05:03	1
Diesel Range Organics (Over C10-C28)	**615**		49.7		mg/Kg		06/09/25 09:12	06/11/25 05:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/25 09:12	06/11/25 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/09/25 09:12*	*06/11/25 05:03*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/09/25 09:12*	*06/11/25 05:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**111**		10.1		mg/Kg			06/11/25 06:09	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-20

Date Collected: 06/06/25 11:55
Date Received: 06/09/25 08:21
Sample Depth: 4

Lab Sample ID: 890-8274-21

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		06/10/25 09:35	06/10/25 12:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:35	06/10/25 12:03	1
Ethylbenzene	**0.00208**		0.00201		mg/Kg		06/10/25 09:35	06/10/25 12:03	1
m-Xylene & p-Xylene	**0.0107**		0.00402		mg/Kg		06/10/25 09:35	06/10/25 12:03	1
o-Xylene	**0.00777**		0.00201		mg/Kg		06/10/25 09:35	06/10/25 12:03	1
Xylenes, Total	**0.0185**		0.00402		mg/Kg		06/10/25 09:35	06/10/25 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/10/25 09:35*	*06/10/25 12:03*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/10/25 09:35*	*06/10/25 12:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0206**		0.00402		mg/Kg			06/10/25 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**824**		49.9		mg/Kg			06/11/25 05:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/09/25 09:12	06/11/25 05:20	1
Diesel Range Organics (Over C10-C28)	**824**		49.9		mg/Kg		06/09/25 09:12	06/11/25 05:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 09:12	06/11/25 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*06/09/25 09:12*	*06/11/25 05:20*	*1*
o-Terphenyl	*111*		*70 - 130*	*06/09/25 09:12*	*06/11/25 05:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		9.94		mg/Kg			06/12/25 02:20	1

Client Sample ID: HA-21

Date Collected: 06/06/25 12:05
Date Received: 06/09/25 08:21
Sample Depth: 0.5

Lab Sample ID: 890-8274-23

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		06/10/25 09:35	06/10/25 12:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:35	06/10/25 12:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/10/25 09:35	06/10/25 12:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/10/25 09:35	06/10/25 12:23	1
o-Xylene	**0.101**		0.00202		mg/Kg		06/10/25 09:35	06/10/25 12:23	1
Xylenes, Total	**0.101**		0.00404		mg/Kg		06/10/25 09:35	06/10/25 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*06/10/25 09:35*	*06/10/25 12:23*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-21

Lab Sample ID: 890-8274-23
Matrix: Solid
Date Collected: 06/06/25 12:05
Date Received: 06/09/25 08:21
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*06/10/25 09:35*	*06/10/25 12:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.101**		0.00404		mg/Kg			06/10/25 12:23	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			06/11/25 05:52	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	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 05:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 05:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/09/25 09:12*	*06/11/25 05:52*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/09/25 09:12*	*06/11/25 05:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3830**		99.0		mg/Kg			06/12/25 02:42	10

Client Sample ID: HA-21

Lab Sample ID: 890-8274-24
Matrix: Solid
Date Collected: 06/06/25 12:15
Date Received: 06/09/25 08:21
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		06/10/25 09:35	06/10/25 12:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:35	06/10/25 12:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:35	06/10/25 12:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/25 09:35	06/10/25 12:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:35	06/10/25 12:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/25 09:35	06/10/25 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/10/25 09:35*	*06/10/25 12:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/10/25 09:35*	*06/10/25 12:44*	*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			06/10/25 12:44	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			06/11/25 06:07	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-21

Lab Sample ID: 890-8274-24
Matrix: Solid
Date Collected: 06/06/25 12:15
Date Received: 06/09/25 08:21
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	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 06:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 06:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/09/25 09:12*	*06/11/25 06:07*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/09/25 09:12*	*06/11/25 06:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**887**		10.0		mg/Kg			06/12/25 02:49	1

Client Sample ID: HA-21

Lab Sample ID: 890-8274-25
Matrix: Solid
Date Collected: 06/06/25 12:25
Date Received: 06/09/25 08:21
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		06/10/25 09:35	06/10/25 13:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:35	06/10/25 13:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:35	06/10/25 13:04	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/10/25 09:35	06/10/25 13:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:35	06/10/25 13:04	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/10/25 09:35	06/10/25 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/10/25 09:35*	*06/10/25 13:04*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/10/25 09:35*	*06/10/25 13:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/10/25 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/11/25 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/09/25 09:12	06/11/25 06:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/09/25 09:12	06/11/25 06:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/09/25 09:12	06/11/25 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/09/25 09:12*	*06/11/25 06:23*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/09/25 09:12*	*06/11/25 06:23*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-21

Lab Sample ID: 890-8274-25
Matrix: Solid
Date Collected: 06/06/25 12:25
Date Received: 06/09/25 08:21
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		10.1		mg/Kg			06/12/25 02:56	1

Client Sample ID: HA-22

Lab Sample ID: 890-8274-26
Matrix: Solid
Date Collected: 06/06/25 12:30
Date Received: 06/09/25 08:21
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		06/10/25 09:35	06/10/25 13:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:35	06/10/25 13:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:35	06/10/25 13:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/25 09:35	06/10/25 13:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:35	06/10/25 13:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/25 09:35	06/10/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/10/25 09:35*	*06/10/25 13:25*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/10/25 09:35*	*06/10/25 13:25*	*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			06/10/25 13:25	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			06/11/25 06:39	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		06/09/25 09:12	06/11/25 06:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 06:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/09/25 09:12*	*06/11/25 06:39*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/09/25 09:12*	*06/11/25 06:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	887		49.7		mg/Kg			06/12/25 03:03	5

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-22

Lab Sample ID: 890-8274-27
Matrix: Solid
Date Collected: 06/06/25 12:40
Date Received: 06/09/25 08:21
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		06/10/25 09:35	06/10/25 13:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:35	06/10/25 13:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:35	06/10/25 13:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/10/25 09:35	06/10/25 13:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/10/25 09:35	06/10/25 13:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/10/25 09:35	06/10/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/10/25 09:35*	*06/10/25 13:45*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/10/25 09:35*	*06/10/25 13:45*	*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			06/10/25 13:45	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			06/11/25 06:55	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	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 06:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 06:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/09/25 09:12*	*06/11/25 06:55*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/09/25 09:12*	*06/11/25 06:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		9.98		mg/Kg			06/12/25 03:10	1

Client Sample ID: HA-22

Lab Sample ID: 890-8274-28
Matrix: Solid
Date Collected: 06/06/25 12:50
Date Received: 06/09/25 08:21
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		06/10/25 09:35	06/10/25 14:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:35	06/10/25 14:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:35	06/10/25 14:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/10/25 09:35	06/10/25 14:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/10/25 09:35	06/10/25 14:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/10/25 09:35	06/10/25 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/10/25 09:35*	*06/10/25 14:05*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-22

Date Collected: 06/06/25 12:50
Date Received: 06/09/25 08:21
Sample Depth: 4

Lab Sample ID: 890-8274-28

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*	*06/10/25 09:35*	*06/10/25 14:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/10/25 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			06/11/25 07:11	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		06/09/25 09:12	06/11/25 07:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/09/25 09:12	06/11/25 07:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/09/25 09:12	06/11/25 07:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/09/25 09:12*	*06/11/25 07:11*	*1*
o-Terphenyl	*111*		*70 - 130*	*06/09/25 09:12*	*06/11/25 07:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**371**		9.94		mg/Kg			06/12/25 03:18	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy 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)										
890-8274-1	HA-14	99	99										
890-8274-1 MS	HA-14	101	102										
890-8274-1 MSD	HA-14	105	97										
890-8274-2	HA-14	105	101										
890-8274-3	HA-14	106	96										
890-8274-4	HA-15	89	102										
890-8274-5	HA-15	100	98										
890-8274-6	HA-15	106	98										
890-8274-7	HA-16	274 S1+	105										
890-8274-8	HA-16	102	96										
890-8274-9	HA-16	102	100										
890-8274-10	HA-17	105	100										
890-8274-11	HA-17	99	103										
890-8274-12	HA-17	104	94										
890-8274-13	HA-18	103	98										
890-8274-14	HA-18	105	99										
890-8274-15	HA-18	96	101										
890-8274-16	HA-19	96	100										
890-8274-17	HA-19	100	99										
890-8274-18	HA-19	107	98										
890-8274-19	HA-20	329 S1+	104										
890-8274-20	HA-20	96	100										
890-8274-21	HA-20	108	92										
890-8274-23	HA-21	115	108										
890-8274-24	HA-21	101	96										
890-8274-25	HA-21	104	99										
890-8274-26	HA-22	106	101										
890-8274-27	HA-22	104	101										
890-8274-28	HA-22	104	99										
LCS 880-111867/1-A	Lab Control Sample	97	103										
LCS 880-111868/1-A	Lab Control Sample	93	88										
LCSD 880-111867/2-A	Lab Control Sample Dup	93	104										
LCSD 880-111868/2-A	Lab Control Sample Dup	93	90										
MB 880-111867/5-A	Method Blank	92	97										
MB 880-111868/5-A	Method Blank	95	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)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-8274-1	HA-14	109	122										
890-8274-2	HA-14	109	105										
890-8274-3	HA-14	106	102										
890-8274-4	HA-15	112	188 S1+										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8274-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-8274-5	HA-15	105	101										
890-8274-6	HA-15	109	104										
890-8274-7	HA-16	130	290 S1+										
890-8274-8	HA-16	107	106										
890-8274-9	HA-16	105	110										
890-8274-10	HA-17	110	194 S1+										
890-8274-11	HA-17	104	103										
890-8274-12	HA-17	104	100										
890-8274-13	HA-18	111	106										
890-8274-14	HA-18	107	105										
890-8274-15	HA-18	106	101										
890-8274-16	HA-19	108	124										
890-8274-17	HA-19	107	103										
890-8274-18	HA-19	106	104										
890-8274-19	HA-20	144 S1+	315 S1+										
890-8274-20	HA-20	104	110										
890-8274-21	HA-20	103	111										
890-8274-23	HA-21	108	110										
890-8274-24	HA-21	107	110										
890-8274-25	HA-21	108	110										
890-8274-26	HA-22	108	110										
890-8274-27	HA-22	107	108										
890-8274-28	HA-22	114	111										
LCS 880-111759/2-A	Lab Control Sample	75	81										
LCS 880-111864/2-A	Lab Control Sample	78	83										
LCSD 880-111759/3-A	Lab Control Sample Dup	76	83										
LCSD 880-111864/3-A	Lab Control Sample Dup	99	85										
MB 880-111759/1-A	Method Blank	84	87										
MB 880-111864/1-A	Method Blank	85	83										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111867/5-A
Matrix: Solid
Analysis Batch: 111859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111867

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:33	06/10/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:33	06/10/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:33	06/10/25 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/10/25 09:33*	*06/10/25 11:32*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/10/25 09:33*	*06/10/25 11:32*	*1*

Lab Sample ID: LCS 880-111867/1-A
Matrix: Solid
Analysis Batch: 111859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111867

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1197		mg/Kg		120	70 - 130		
Toluene			0.100	0.1005		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.1068		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.2137		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1066		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-111867/2-A
Matrix: Solid
Analysis Batch: 111859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111867

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1213		mg/Kg		121	70 - 130	1	35
Toluene			0.100	0.09967		mg/Kg		100	70 - 130	1	35
Ethylbenzene			0.100	0.1047		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2085		mg/Kg		104	70 - 130	2	35
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-8274-1 MS
Matrix: Solid
Analysis Batch: 111859

Client Sample ID: HA-14
Prep Type: Total/NA
Prep Batch: 111867

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1076		mg/Kg		108	70 - 130		
Toluene	<0.00200	U	0.100	0.08454		mg/Kg		85	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8274-1 MS
Matrix: Solid
Analysis Batch: 111859

Client Sample ID: HA-14
Prep Type: Total/NA
Prep Batch: 111867

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.07579		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1529		mg/Kg		76	70 - 130
o-Xylene	<0.00200	U	0.100	0.07688		mg/Kg		77	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-8274-1 MSD
Matrix: Solid
Analysis Batch: 111859

Client Sample ID: HA-14
Prep Type: Total/NA
Prep Batch: 111867

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	0.1012		mg/Kg		101	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.07993		mg/Kg		80	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.07013		mg/Kg		70	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1389	F1	mg/Kg		69	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.06991		mg/Kg		70	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-111868/5-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/10/25 09:35*	*06/10/25 11:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/10/25 09:35*	*06/10/25 11:21*	*1*

Lab Sample ID: LCS 880-111868/1-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1063		mg/Kg		106	70 - 130
Toluene	0.100	0.09667		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2055		mg/Kg		103	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-111868/1-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1013		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-111868/2-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1104		mg/Kg		110	70 - 130	4	35
Toluene			0.100	0.09886		mg/Kg		99	70 - 130	2	35
Ethylbenzene			0.100	0.1044		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130	3	35
o-Xylene			0.100	0.1057		mg/Kg		106	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

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

Lab Sample ID: MB 880-111759/1-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111759

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		06/09/25 09:12	06/11/25 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/09/25 09:12*	*06/11/25 01:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/09/25 09:12*	*06/11/25 01:37*	*1*

Lab Sample ID: LCS 880-111759/2-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111759

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	823.8		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	877.1		mg/Kg		88	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-111759/2-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111759

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: LCSD 880-111759/3-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111759

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	835.8		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	906.4		mg/Kg		91	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Lab Sample ID: MB 880-111864/1-A
Matrix: Solid
Analysis Batch: 111872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111864

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		06/10/25 09:02	06/11/25 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/25 09:02	06/11/25 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/10/25 09:02*	*06/11/25 01:37*	*1*
o-Terphenyl	*83*		*70 - 130*	*06/10/25 09:02*	*06/11/25 01:37*	*1*

Lab Sample ID: LCS 880-111864/2-A
Matrix: Solid
Analysis Batch: 111872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111864

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	875.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)			1000	928.3		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-111864/3-A
Matrix: Solid
Analysis Batch: 111872

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111864

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	901.1		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	904.8		mg/Kg		90	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111890/1-A
Matrix: Solid
Analysis Batch: 111916

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			06/11/25 02:30	1

Lab Sample ID: LCS 880-111890/2-A
Matrix: Solid
Analysis Batch: 111916

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	272.7		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-111890/3-A
Matrix: Solid
Analysis Batch: 111916

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	271.1		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 890-8274-1 MS
Matrix: Solid
Analysis Batch: 111916

Client Sample ID: HA-14
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	10700	F1	4960	19020	F1	mg/Kg		168	90 - 110		

Lab Sample ID: 890-8274-1 MSD
Matrix: Solid
Analysis Batch: 111916

Client Sample ID: HA-14
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10700	F1	4960	19760	F1	mg/Kg		183	90 - 110	4	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8274-11 MS
Matrix: Solid
Analysis Batch: 111916

Client Sample ID: HA-17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	112		252	379.0		mg/Kg		106	90 - 110

Lab Sample ID: 890-8274-11 MSD
Matrix: Solid
Analysis Batch: 111916

Client Sample ID: HA-17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	112		252	376.9		mg/Kg		105	90 - 110	1	20

Lab Sample ID: MB 880-111915/1-A
Matrix: Solid
Analysis Batch: 111962

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			06/12/25 01:15	1

Lab Sample ID: LCS 880-111915/2-A
Matrix: Solid
Analysis Batch: 111962

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-111915/3-A
Matrix: Solid
Analysis Batch: 111962

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	261.0		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-8274-28 MS
Matrix: Solid
Analysis Batch: 111962

Client Sample ID: HA-22
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	371		249	634.6		mg/Kg		106	90 - 110

Lab Sample ID: 890-8274-28 MSD
Matrix: Solid
Analysis Batch: 111962

Client Sample ID: HA-22
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	371		249	630.8		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 111858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-21	HA-20	Total/NA	Solid	8021B	111868
890-8274-23	HA-21	Total/NA	Solid	8021B	111868
890-8274-24	HA-21	Total/NA	Solid	8021B	111868
890-8274-25	HA-21	Total/NA	Solid	8021B	111868
890-8274-26	HA-22	Total/NA	Solid	8021B	111868
890-8274-27	HA-22	Total/NA	Solid	8021B	111868
890-8274-28	HA-22	Total/NA	Solid	8021B	111868
MB 880-111868/5-A	Method Blank	Total/NA	Solid	8021B	111868
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	8021B	111868
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111868

Analysis Batch: 111859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-1	HA-14	Total/NA	Solid	8021B	111867
890-8274-2	HA-14	Total/NA	Solid	8021B	111867
890-8274-3	HA-14	Total/NA	Solid	8021B	111867
890-8274-4	HA-15	Total/NA	Solid	8021B	111867
890-8274-5	HA-15	Total/NA	Solid	8021B	111867
890-8274-6	HA-15	Total/NA	Solid	8021B	111867
890-8274-7	HA-16	Total/NA	Solid	8021B	111867
890-8274-8	HA-16	Total/NA	Solid	8021B	111867
890-8274-9	HA-16	Total/NA	Solid	8021B	111867
890-8274-10	HA-17	Total/NA	Solid	8021B	111867
890-8274-11	HA-17	Total/NA	Solid	8021B	111867
890-8274-12	HA-17	Total/NA	Solid	8021B	111867
890-8274-13	HA-18	Total/NA	Solid	8021B	111867
890-8274-14	HA-18	Total/NA	Solid	8021B	111867
890-8274-15	HA-18	Total/NA	Solid	8021B	111867
890-8274-16	HA-19	Total/NA	Solid	8021B	111867
890-8274-17	HA-19	Total/NA	Solid	8021B	111867
890-8274-18	HA-19	Total/NA	Solid	8021B	111867
890-8274-19	HA-20	Total/NA	Solid	8021B	111867
890-8274-20	HA-20	Total/NA	Solid	8021B	111867
MB 880-111867/5-A	Method Blank	Total/NA	Solid	8021B	111867
LCS 880-111867/1-A	Lab Control Sample	Total/NA	Solid	8021B	111867
LCSD 880-111867/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111867
890-8274-1 MS	HA-14	Total/NA	Solid	8021B	111867
890-8274-1 MSD	HA-14	Total/NA	Solid	8021B	111867

Prep Batch: 111867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-1	HA-14	Total/NA	Solid	5035	
890-8274-2	HA-14	Total/NA	Solid	5035	
890-8274-3	HA-14	Total/NA	Solid	5035	
890-8274-4	HA-15	Total/NA	Solid	5035	
890-8274-5	HA-15	Total/NA	Solid	5035	
890-8274-6	HA-15	Total/NA	Solid	5035	
890-8274-7	HA-16	Total/NA	Solid	5035	
890-8274-8	HA-16	Total/NA	Solid	5035	
890-8274-9	HA-16	Total/NA	Solid	5035	
890-8274-10	HA-17	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 111867 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-11	HA-17	Total/NA	Solid	5035	
890-8274-12	HA-17	Total/NA	Solid	5035	
890-8274-13	HA-18	Total/NA	Solid	5035	
890-8274-14	HA-18	Total/NA	Solid	5035	
890-8274-15	HA-18	Total/NA	Solid	5035	
890-8274-16	HA-19	Total/NA	Solid	5035	
890-8274-17	HA-19	Total/NA	Solid	5035	
890-8274-18	HA-19	Total/NA	Solid	5035	
890-8274-19	HA-20	Total/NA	Solid	5035	
890-8274-20	HA-20	Total/NA	Solid	5035	
MB 880-111867/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111867/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111867/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8274-1 MS	HA-14	Total/NA	Solid	5035	
890-8274-1 MSD	HA-14	Total/NA	Solid	5035	

Prep Batch: 111868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-21	HA-20	Total/NA	Solid	5035	
890-8274-23	HA-21	Total/NA	Solid	5035	
890-8274-24	HA-21	Total/NA	Solid	5035	
890-8274-25	HA-21	Total/NA	Solid	5035	
890-8274-26	HA-22	Total/NA	Solid	5035	
890-8274-27	HA-22	Total/NA	Solid	5035	
890-8274-28	HA-22	Total/NA	Solid	5035	
MB 880-111868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 111996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-1	HA-14	Total/NA	Solid	Total BTEX	
890-8274-2	HA-14	Total/NA	Solid	Total BTEX	
890-8274-3	HA-14	Total/NA	Solid	Total BTEX	
890-8274-4	HA-15	Total/NA	Solid	Total BTEX	
890-8274-5	HA-15	Total/NA	Solid	Total BTEX	
890-8274-6	HA-15	Total/NA	Solid	Total BTEX	
890-8274-7	HA-16	Total/NA	Solid	Total BTEX	
890-8274-8	HA-16	Total/NA	Solid	Total BTEX	
890-8274-9	HA-16	Total/NA	Solid	Total BTEX	
890-8274-10	HA-17	Total/NA	Solid	Total BTEX	
890-8274-11	HA-17	Total/NA	Solid	Total BTEX	
890-8274-12	HA-17	Total/NA	Solid	Total BTEX	
890-8274-13	HA-18	Total/NA	Solid	Total BTEX	
890-8274-14	HA-18	Total/NA	Solid	Total BTEX	
890-8274-15	HA-18	Total/NA	Solid	Total BTEX	
890-8274-16	HA-19	Total/NA	Solid	Total BTEX	
890-8274-17	HA-19	Total/NA	Solid	Total BTEX	
890-8274-18	HA-19	Total/NA	Solid	Total BTEX	
890-8274-19	HA-20	Total/NA	Solid	Total BTEX	
890-8274-20	HA-20	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 111996 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-21	HA-20	Total/NA	Solid	Total BTEX	
890-8274-23	HA-21	Total/NA	Solid	Total BTEX	
890-8274-24	HA-21	Total/NA	Solid	Total BTEX	
890-8274-25	HA-21	Total/NA	Solid	Total BTEX	
890-8274-26	HA-22	Total/NA	Solid	Total BTEX	
890-8274-27	HA-22	Total/NA	Solid	Total BTEX	
890-8274-28	HA-22	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-19	HA-20	Total/NA	Solid	8015NM Prep	
890-8274-20	HA-20	Total/NA	Solid	8015NM Prep	
890-8274-21	HA-20	Total/NA	Solid	8015NM Prep	
890-8274-23	HA-21	Total/NA	Solid	8015NM Prep	
890-8274-24	HA-21	Total/NA	Solid	8015NM Prep	
890-8274-25	HA-21	Total/NA	Solid	8015NM Prep	
890-8274-26	HA-22	Total/NA	Solid	8015NM Prep	
890-8274-27	HA-22	Total/NA	Solid	8015NM Prep	
890-8274-28	HA-22	Total/NA	Solid	8015NM Prep	
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 111864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-1	HA-14	Total/NA	Solid	8015NM Prep	
890-8274-2	HA-14	Total/NA	Solid	8015NM Prep	
890-8274-3	HA-14	Total/NA	Solid	8015NM Prep	
890-8274-4	HA-15	Total/NA	Solid	8015NM Prep	
890-8274-5	HA-15	Total/NA	Solid	8015NM Prep	
890-8274-6	HA-15	Total/NA	Solid	8015NM Prep	
890-8274-7	HA-16	Total/NA	Solid	8015NM Prep	
890-8274-8	HA-16	Total/NA	Solid	8015NM Prep	
890-8274-9	HA-16	Total/NA	Solid	8015NM Prep	
890-8274-10	HA-17	Total/NA	Solid	8015NM Prep	
890-8274-11	HA-17	Total/NA	Solid	8015NM Prep	
890-8274-12	HA-17	Total/NA	Solid	8015NM Prep	
890-8274-13	HA-18	Total/NA	Solid	8015NM Prep	
890-8274-14	HA-18	Total/NA	Solid	8015NM Prep	
890-8274-15	HA-18	Total/NA	Solid	8015NM Prep	
890-8274-16	HA-19	Total/NA	Solid	8015NM Prep	
890-8274-17	HA-19	Total/NA	Solid	8015NM Prep	
890-8274-18	HA-19	Total/NA	Solid	8015NM Prep	
MB 880-111864/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111864/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111864/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 111870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-19	HA-20	Total/NA	Solid	8015B NM	111759
890-8274-20	HA-20	Total/NA	Solid	8015B NM	111759
890-8274-21	HA-20	Total/NA	Solid	8015B NM	111759
890-8274-23	HA-21	Total/NA	Solid	8015B NM	111759
890-8274-24	HA-21	Total/NA	Solid	8015B NM	111759
890-8274-25	HA-21	Total/NA	Solid	8015B NM	111759
890-8274-26	HA-22	Total/NA	Solid	8015B NM	111759
890-8274-27	HA-22	Total/NA	Solid	8015B NM	111759
890-8274-28	HA-22	Total/NA	Solid	8015B NM	111759
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015B NM	111759
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111759
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111759

Analysis Batch: 111872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-1	HA-14	Total/NA	Solid	8015B NM	111864
890-8274-2	HA-14	Total/NA	Solid	8015B NM	111864
890-8274-3	HA-14	Total/NA	Solid	8015B NM	111864
890-8274-4	HA-15	Total/NA	Solid	8015B NM	111864
890-8274-5	HA-15	Total/NA	Solid	8015B NM	111864
890-8274-6	HA-15	Total/NA	Solid	8015B NM	111864
890-8274-7	HA-16	Total/NA	Solid	8015B NM	111864
890-8274-8	HA-16	Total/NA	Solid	8015B NM	111864
890-8274-9	HA-16	Total/NA	Solid	8015B NM	111864
890-8274-10	HA-17	Total/NA	Solid	8015B NM	111864
890-8274-11	HA-17	Total/NA	Solid	8015B NM	111864
890-8274-12	HA-17	Total/NA	Solid	8015B NM	111864
890-8274-13	HA-18	Total/NA	Solid	8015B NM	111864
890-8274-14	HA-18	Total/NA	Solid	8015B NM	111864
890-8274-15	HA-18	Total/NA	Solid	8015B NM	111864
890-8274-16	HA-19	Total/NA	Solid	8015B NM	111864
890-8274-17	HA-19	Total/NA	Solid	8015B NM	111864
890-8274-18	HA-19	Total/NA	Solid	8015B NM	111864
MB 880-111864/1-A	Method Blank	Total/NA	Solid	8015B NM	111864
LCS 880-111864/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111864
LCSD 880-111864/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111864

Analysis Batch: 111977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-1	HA-14	Total/NA	Solid	8015 NM	
890-8274-2	HA-14	Total/NA	Solid	8015 NM	
890-8274-3	HA-14	Total/NA	Solid	8015 NM	
890-8274-4	HA-15	Total/NA	Solid	8015 NM	
890-8274-5	HA-15	Total/NA	Solid	8015 NM	
890-8274-6	HA-15	Total/NA	Solid	8015 NM	
890-8274-7	HA-16	Total/NA	Solid	8015 NM	
890-8274-8	HA-16	Total/NA	Solid	8015 NM	
890-8274-9	HA-16	Total/NA	Solid	8015 NM	
890-8274-10	HA-17	Total/NA	Solid	8015 NM	
890-8274-11	HA-17	Total/NA	Solid	8015 NM	
890-8274-12	HA-17	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 111977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-13	HA-18	Total/NA	Solid	8015 NM	
890-8274-14	HA-18	Total/NA	Solid	8015 NM	
890-8274-15	HA-18	Total/NA	Solid	8015 NM	
890-8274-16	HA-19	Total/NA	Solid	8015 NM	
890-8274-17	HA-19	Total/NA	Solid	8015 NM	
890-8274-18	HA-19	Total/NA	Solid	8015 NM	
890-8274-19	HA-20	Total/NA	Solid	8015 NM	
890-8274-20	HA-20	Total/NA	Solid	8015 NM	
890-8274-21	HA-20	Total/NA	Solid	8015 NM	
890-8274-23	HA-21	Total/NA	Solid	8015 NM	
890-8274-24	HA-21	Total/NA	Solid	8015 NM	
890-8274-25	HA-21	Total/NA	Solid	8015 NM	
890-8274-26	HA-22	Total/NA	Solid	8015 NM	
890-8274-27	HA-22	Total/NA	Solid	8015 NM	
890-8274-28	HA-22	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-1	HA-14	Soluble	Solid	DI Leach	
890-8274-2	HA-14	Soluble	Solid	DI Leach	
890-8274-3	HA-14	Soluble	Solid	DI Leach	
890-8274-4	HA-15	Soluble	Solid	DI Leach	
890-8274-5	HA-15	Soluble	Solid	DI Leach	
890-8274-6	HA-15	Soluble	Solid	DI Leach	
890-8274-7	HA-16	Soluble	Solid	DI Leach	
890-8274-8	HA-16	Soluble	Solid	DI Leach	
890-8274-9	HA-16	Soluble	Solid	DI Leach	
890-8274-10	HA-17	Soluble	Solid	DI Leach	
890-8274-11	HA-17	Soluble	Solid	DI Leach	
890-8274-12	HA-17	Soluble	Solid	DI Leach	
890-8274-13	HA-18	Soluble	Solid	DI Leach	
890-8274-14	HA-18	Soluble	Solid	DI Leach	
890-8274-15	HA-18	Soluble	Solid	DI Leach	
890-8274-16	HA-19	Soluble	Solid	DI Leach	
890-8274-17	HA-19	Soluble	Solid	DI Leach	
890-8274-18	HA-19	Soluble	Solid	DI Leach	
890-8274-19	HA-20	Soluble	Solid	DI Leach	
890-8274-20	HA-20	Soluble	Solid	DI Leach	
MB 880-111890/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111890/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111890/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8274-1 MS	HA-14	Soluble	Solid	DI Leach	
890-8274-1 MSD	HA-14	Soluble	Solid	DI Leach	
890-8274-11 MS	HA-17	Soluble	Solid	DI Leach	
890-8274-11 MSD	HA-17	Soluble	Solid	DI Leach	

Leach Batch: 111915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-21	HA-20	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 111915 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-23	HA-21	Soluble	Solid	DI Leach	
890-8274-24	HA-21	Soluble	Solid	DI Leach	
890-8274-25	HA-21	Soluble	Solid	DI Leach	
890-8274-26	HA-22	Soluble	Solid	DI Leach	
890-8274-27	HA-22	Soluble	Solid	DI Leach	
890-8274-28	HA-22	Soluble	Solid	DI Leach	
MB 880-111915/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111915/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111915/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8274-28 MS	HA-22	Soluble	Solid	DI Leach	
890-8274-28 MSD	HA-22	Soluble	Solid	DI Leach	

Analysis Batch: 111916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-1	HA-14	Soluble	Solid	300.0	111890
890-8274-2	HA-14	Soluble	Solid	300.0	111890
890-8274-3	HA-14	Soluble	Solid	300.0	111890
890-8274-4	HA-15	Soluble	Solid	300.0	111890
890-8274-5	HA-15	Soluble	Solid	300.0	111890
890-8274-6	HA-15	Soluble	Solid	300.0	111890
890-8274-7	HA-16	Soluble	Solid	300.0	111890
890-8274-8	HA-16	Soluble	Solid	300.0	111890
890-8274-9	HA-16	Soluble	Solid	300.0	111890
890-8274-10	HA-17	Soluble	Solid	300.0	111890
890-8274-11	HA-17	Soluble	Solid	300.0	111890
890-8274-12	HA-17	Soluble	Solid	300.0	111890
890-8274-13	HA-18	Soluble	Solid	300.0	111890
890-8274-14	HA-18	Soluble	Solid	300.0	111890
890-8274-15	HA-18	Soluble	Solid	300.0	111890
890-8274-16	HA-19	Soluble	Solid	300.0	111890
890-8274-17	HA-19	Soluble	Solid	300.0	111890
890-8274-18	HA-19	Soluble	Solid	300.0	111890
890-8274-19	HA-20	Soluble	Solid	300.0	111890
890-8274-20	HA-20	Soluble	Solid	300.0	111890
MB 880-111890/1-A	Method Blank	Soluble	Solid	300.0	111890
LCS 880-111890/2-A	Lab Control Sample	Soluble	Solid	300.0	111890
LCSD 880-111890/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111890
890-8274-1 MS	HA-14	Soluble	Solid	300.0	111890
890-8274-1 MSD	HA-14	Soluble	Solid	300.0	111890
890-8274-11 MS	HA-17	Soluble	Solid	300.0	111890
890-8274-11 MSD	HA-17	Soluble	Solid	300.0	111890

Analysis Batch: 111962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8274-21	HA-20	Soluble	Solid	300.0	111915
890-8274-23	HA-21	Soluble	Solid	300.0	111915
890-8274-24	HA-21	Soluble	Solid	300.0	111915
890-8274-25	HA-21	Soluble	Solid	300.0	111915
890-8274-26	HA-22	Soluble	Solid	300.0	111915
890-8274-27	HA-22	Soluble	Solid	300.0	111915
890-8274-28	HA-22	Soluble	Solid	300.0	111915

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 111962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-111915/1-A	Method Blank	Soluble	Solid	300.0	111915
LCS 880-111915/2-A	Lab Control Sample	Soluble	Solid	300.0	111915
LCSD 880-111915/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111915
890-8274-28 MS	HA-22	Soluble	Solid	300.0	111915
890-8274-28 MSD	HA-22	Soluble	Solid	300.0	111915

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-14
Date Collected: 06/06/25 10:00
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-1
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	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 11:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 03:27	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		20			111916	06/11/25 02:52	CH	EET MID

Client Sample ID: HA-14
Date Collected: 06/06/25 10:05
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-2
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	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 12:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 03:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 03:43	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 03:14	CH	EET MID

Client Sample ID: HA-14
Date Collected: 06/06/25 10:10
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-3
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			4.95 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 12:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 03:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 03:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 03:21	CH	EET MID

Client Sample ID: HA-15
Date Collected: 06/06/25 10:15
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-4
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	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 12:55	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-15
Date Collected: 06/06/25 10:15
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-4
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			111977	06/11/25 04:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	111872	06/11/25 04:15	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 03:28	CH	EET MID

Client Sample ID: HA-15
Date Collected: 06/06/25 10:20
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-5
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	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 13:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 04:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 04:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 03:36	CH	EET MID

Client Sample ID: HA-15
Date Collected: 06/06/25 10:25
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-6
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			4.97 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 13:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 04:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 04:48	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 03:58	CH	EET MID

Client Sample ID: HA-16
Date Collected: 06/06/25 10:35
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-7
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	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 13:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 05:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	111872	06/11/25 05:03	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8274-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: HA-16
Lab Sample ID: 890-8274-7
Date Collected: 06/06/25 10:35
Matrix: Solid
Date Received: 06/09/25 08:21

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	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 04:05	CH	EET MID

Client Sample ID: HA-16
Lab Sample ID: 890-8274-8
Date Collected: 06/06/25 10:40
Matrix: Solid
Date Received: 06/09/25 08:21

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	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 14:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 05:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 05:20	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 09:12	CH	EET MID

Client Sample ID: HA-16
Lab Sample ID: 890-8274-9
Date Collected: 06/06/25 10:45
Matrix: Solid
Date Received: 06/09/25 08:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 05:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 05:52	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 04:20	CH	EET MID

Client Sample ID: HA-17
Lab Sample ID: 890-8274-10
Date Collected: 06/06/25 10:55
Matrix: Solid
Date Received: 06/09/25 08:21

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	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 14:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 06:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	111872	06/11/25 06:07	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 04:27	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-17
Date Collected: 06/06/25 11:00
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-11
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			4.98 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 16:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 06:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 06:23	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 04:34	CH	EET MID

Client Sample ID: HA-17
Date Collected: 06/06/25 11:05
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-12
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			4.95 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 16:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 16:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 06:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 06:39	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 04:56	CH	EET MID

Client Sample ID: HA-18
Date Collected: 06/06/25 11:15
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 17:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 06:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 06:55	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 05:04	CH	EET MID

Client Sample ID: HA-18
Date Collected: 06/06/25 11:20
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-14
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	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 17:33	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-18
Date Collected: 06/06/25 11:20
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-14
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			111977	06/11/25 07:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 07:11	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 05:25	CH	EET MID

Client Sample ID: HA-18
Date Collected: 06/06/25 11:25
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-15
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			5.04 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 17:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 07:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 07:27	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 05:33	CH	EET MID

Client Sample ID: HA-19
Date Collected: 06/06/25 11:30
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-16
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			4.96 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 18:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 07:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 07:44	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 05:40	CH	EET MID

Client Sample ID: HA-19
Date Collected: 06/06/25 11:35
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-17
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			5.03 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 18:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 08:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 08:00	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-19
Date Collected: 06/06/25 11:35
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-17
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			5.03 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 05:47	CH	EET MID

Client Sample ID: HA-19
Date Collected: 06/06/25 11:40
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 18:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 08:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111864	06/10/25 09:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111872	06/11/25 08:16	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 05:55	CH	EET MID

Client Sample ID: HA-20
Date Collected: 06/06/25 11:45
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-19
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			5.04 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 19:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 04:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	111870	06/11/25 04:48	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 06:02	CH	EET MID

Client Sample ID: HA-20
Date Collected: 06/06/25 11:50
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-20
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			5.05 g	5 mL	111867	06/10/25 09:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111859	06/10/25 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 19:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 05:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 05:03	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111890	06/10/25 14:14	SA	EET MID
Soluble	Analysis	300.0		1			111916	06/11/25 06:09	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-20
Date Collected: 06/06/25 11:55
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-21
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			4.98 g	5 mL	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 12:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 05:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 05:20	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		1			111962	06/12/25 02:20	CH	EET MID

Client Sample ID: HA-21
Date Collected: 06/06/25 12:05
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-23
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			4.95 g	5 mL	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 12:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 05:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 05:52	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		10			111962	06/12/25 02:42	CH	EET MID

Client Sample ID: HA-21
Date Collected: 06/06/25 12:15
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-24
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			5.03 g	5 mL	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 06:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 06:07	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		1			111962	06/12/25 02:49	CH	EET MID

Client Sample ID: HA-21
Date Collected: 06/06/25 12:25
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 13:04	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-21
Date Collected: 06/06/25 12:25
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111977	06/11/25 06:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 06:23	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		1			111962	06/12/25 02:56	CH	EET MID

Client Sample ID: HA-22
Date Collected: 06/06/25 12:30
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 13:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 06:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 06:39	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		5			111962	06/12/25 03:03	CH	EET MID

Client Sample ID: HA-22
Date Collected: 06/06/25 12:40
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-27
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	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 13:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 06:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 06:55	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		1			111962	06/12/25 03:10	CH	EET MID

Client Sample ID: HA-22
Date Collected: 06/06/25 12:50
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-28
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			5.03 g	5 mL	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111996	06/10/25 14:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			111977	06/11/25 07:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 07:11	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Client Sample ID: HA-22

Date Collected: 06/06/25 12:50
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8274-28

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	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		1			111962	06/12/25 03:18	CH	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: 890-8274-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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	06-30-25

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: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8274-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8274-1	HA-14	Solid	06/06/25 10:00	06/09/25 08:21	0.5
890-8274-2	HA-14	Solid	06/06/25 10:05	06/09/25 08:21	2
890-8274-3	HA-14	Solid	06/06/25 10:10	06/09/25 08:21	4
890-8274-4	HA-15	Solid	06/06/25 10:15	06/09/25 08:21	0.5
890-8274-5	HA-15	Solid	06/06/25 10:20	06/09/25 08:21	2
890-8274-6	HA-15	Solid	06/06/25 10:25	06/09/25 08:21	4
890-8274-7	HA-16	Solid	06/06/25 10:35	06/09/25 08:21	0.5
890-8274-8	HA-16	Solid	06/06/25 10:40	06/09/25 08:21	2
890-8274-9	HA-16	Solid	06/06/25 10:45	06/09/25 08:21	4
890-8274-10	HA-17	Solid	06/06/25 10:55	06/09/25 08:21	0.5
890-8274-11	HA-17	Solid	06/06/25 11:00	06/09/25 08:21	2
890-8274-12	HA-17	Solid	06/06/25 11:05	06/09/25 08:21	4
890-8274-13	HA-18	Solid	06/06/25 11:15	06/09/25 08:21	0.5
890-8274-14	HA-18	Solid	06/06/25 11:20	06/09/25 08:21	2
890-8274-15	HA-18	Solid	06/06/25 11:25	06/09/25 08:21	4
890-8274-16	HA-19	Solid	06/06/25 11:30	06/09/25 08:21	0.5
890-8274-17	HA-19	Solid	06/06/25 11:35	06/09/25 08:21	2
890-8274-18	HA-19	Solid	06/06/25 11:40	06/09/25 08:21	4
890-8274-19	HA-20	Solid	06/06/25 11:45	06/09/25 08:21	0.5
890-8274-20	HA-20	Solid	06/06/25 11:50	06/09/25 08:21	2
890-8274-21	HA-20	Solid	06/06/25 11:55	06/09/25 08:21	4
890-8274-23	HA-21	Solid	06/06/25 12:05	06/09/25 08:21	0.5
890-8274-24	HA-21	Solid	06/06/25 12:15	06/09/25 08:21	2
890-8274-25	HA-21	Solid	06/06/25 12:25	06/09/25 08:21	4
890-8274-26	HA-22	Solid	06/06/25 12:30	06/09/25 08:21	0.5
890-8274-27	HA-22	Solid	06/06/25 12:40	06/09/25 08:21	2
890-8274-28	HA-22	Solid	06/06/25 12:50	06/09/25 08:21	4

Page 246 of 808

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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

890-8274 Chain of Custody

6/12/2025

Work

www.xenco.com Page 1 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Tracer 7
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-5.6
Total Containers:		Corrected Temperature:	-5.4

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-14	S	6.6.25	10:00	0.5	Grab/	1	X	X	X		
HA-14	S	6.6.25	10:05	2	Grab/	1	X	X	X		
HA-14	S	6.6.25	10:10	4	Grab/	1	X	X	X		
HA-15	S	6.6.25	10:15	0.5	Grab/	1	X	X	X		
HA-15	S	6.6.25	10:20	2	Grab/	1	X	X	X		
HA-15	S	6.6.25	10:25	4	Grab/	1	X	X	X		
HA-16	S	6.6.25	10:35	0.5	Grab/	1	X	X	X		
HA-16	S	6.6.25	10:40	2	Grab/	1	X	X	X		
HA-16	S	6.6.25	10:45	4	Grab/	1	X	X	X		

Sample Comments

Incident Number
nAPP2513556445

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		8:21 6/9	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 55 of 62

Received by OCD: 11/18/2025 12:30:18 PM

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Page 247 of 808

6/12/2025

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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 2 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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	Sample Comments
HA-17	S	6.6.25	10:55	0.5	Grab/	1	X	X	X			Incident Number
HA-17	S	6.6.25	11:00	2	Grab/	1	X	X	X			nAPP2513556445
HA-17	S	6.6.25	11:05	4	Grab/	1	X	X	X			
HA-18	S	6.6.25	11:15	0.5	Grab/	1	X	X	X			
HA-18	S	6.6.25	11:20	2	Grab/	1	X	X	X			
HA-18	S	6.6.25	11:25	4	Grab/	1	X	X	X			
HA-19	S	6.6.25	11:30	0.5	Grab/	1	X	X	X			
HA-19	S	6.6.25	11:35	2	Grab/	1	X	X	X			
HA-19	S	6.6.25	11:40	4	Grab/	1	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		8:21 6/6	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 56 of 62

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Page 248 of 808

6/12/2025

Chain of Custody

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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 3 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	☑ Routine ☐ Rush
Project Number:	422	Due Date:	Routine ~~TAT~~
~~Project Location:~~	~~Eddy County, NM~~	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21587615		

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

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-20	S	6.6.25	11:45	0.5	Grab/	1	X	X	X			Incident Number
HA-20	S	6.6.25	11:50	2	Grab/	1	X	X	X			nAPP2513556445
HA-20	S	6.6.25	11:55	4	Grab/	1	X	X	X			
~~HA-20~~	S	6.6.25	12:00	~~6~~	Grab/	1	X	X	X			
HA-21	S	6.6.25	12:05	0.5	Grab/	1	X	X	X			
HA-21	S	6.6.25	12:15	2	Grab/	1	X	X	X			
HA-21	S	6.6.25	12:25	4	Grab/	1	X	X	X			
HA-22	S	6.6.25	12:30	0.5	Grab/	1	X	X	X			
HA-22	S	6.6.25	12:40	2	Grab/	1	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		8:21 6/9	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 57 of 62

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Page 249 of 808

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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)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
~~Project Location:~~	~~Eddy County, NM~~	Due Date:	~~Routine~~ TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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-22	S	6.6.25	12:50	4	Grab/	1	X	X	X			Incident Number
												nAPP2513556445

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		9:21 6/6	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 58 of 62

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Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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: 890-5263.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8274-1
Address: 1211 W. Florida Ave,	Due Date Requested: 6/13/2025			
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: Ross Draw Unit 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-14 (890-8274-1)	6/6/25	10:00 Central	G	Solid			X	X	X	X	X	1	
HA-14 (890-8274-2)	6/6/25	10:05 Central	G	Solid			X	X	X	X	X	1	
HA-14 (890-8274-3)	6/6/25	10:10 Central	G	Solid			X	X	X	X	X	1	
HA-15 (890-8274-4)	6/6/25	10:15 Central	G	Solid			X	X	X	X	X	1	
HA-15 (890-8274-5)	6/6/25	10:20 Central	G	Solid			X	X	X	X	X	1	
HA-15 (890-8274-6)	6/6/25	10:25 Central	G	Solid			X	X	X	X	X	1	
HA-16 (890-8274-7)	6/6/25	10:35 Central	G	Solid			X	X	X	X	X	1	
HA-16 (890-8274-8)	6/6/25	10:40 Central	G	Solid			X	X	X	X	X	1	
HA-16 (890-8274-9)	6/6/25	10:45 Central	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: 3:43 4/9	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/10/25	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4/1.3 -.1 IAS

Ver: 10/10/2024

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Received by OCD: 11/18/2025 12:30:18 PM

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5263.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8274-1
Address: 1211 W. Florida Ave,	Due Date Requested: 6/13/2025			
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: 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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
Preservation Code:													
HA-20 (890-8274-19)	6/6/25	11:45 Central	G	Solid			X	X	X	X	X	1	
HA-20 (890-8274-20)	6/6/25	11:50 Central	G	Solid			X	X	X	X	X	1	
HA-20 (890-8274-21)	6/6/25	11:55 Central	G	Solid			X	X	X	X	X	1	
HA-21 (890-8274-23)	6/6/25	12:05 Central	G	Solid			X	X	X	X	X	1	
HA-21 (890-8274-24)	6/6/25	12:15 Central	G	Solid			X	X	X	X	X	1	
HA-21 (890-8274-25)	6/6/25	12:25 Central	G	Solid			X	X	X	X	X	1	
HA-22 (890-8274-26)	6/6/25	12:30 Central	G	Solid			X	X	X	X	X	1	
HA-22 (890-8274-27)	6/6/25	12:40 Central	G	Solid			X	X	X	X	X	1	
HA-22 (890-8274-28)	6/6/25	12:50 Central	G	Solid			X	X	X	X	X	1	

Analysis Requested

Preservation Codes:
Other: N/A

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
	3:43 G/A				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/10/25 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8274-1
SDG Number: Eddy County, NM

Login Number: 8274
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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: 890-8274-1
SDG Number: Eddy County, NM

Login Number: 8274
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 06/10/25 08:43 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 6/12/2025 10:59:33 AM

JOB DESCRIPTION

Ross DrawUnit 43
Eddy County, NM

JOB NUMBER

890-8275-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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my EOL

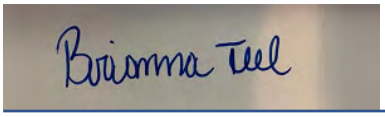
Eurofins Carlsbad

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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Client: Earth Systems Response and Restoration
Project/Site: Ross DrawUnit 43

Laboratory Job ID: 890-8275-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 11
Lab Chronicle 12
Certification Summary 13
Method Summary 14
Sample Summary 15
Chain of Custody 16
Receipt Checklists 18

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy 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: 890-8275-1
Project: Ross DrawUnit 43

Job ID: 890-8275-1 Eurofins Carlsbad

Job Narrative
890-8275-1

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

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

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

Receipt
The sample was received on 6/9/2025 8:19 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.4°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: HA-15 (890-8275-1).

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: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy County, NM

Client Sample ID: HA-15

Date Collected: 06/06/25 10:30
Date Received: 06/09/25 08:19
Sample Depth: 6

Lab Sample ID: 890-8275-1

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		06/10/25 09:35	06/10/25 14:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:35	06/10/25 14:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:35	06/10/25 14:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/10/25 09:35	06/10/25 14:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/10/25 09:35	06/10/25 14:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/10/25 09:35	06/10/25 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/10/25 09:35*	*06/10/25 14:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/10/25 09:35*	*06/10/25 14:26*	*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			06/10/25 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**80.6**		50.0		mg/Kg			06/11/25 07:27	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		06/09/25 09:12	06/11/25 07:27	1
Diesel Range Organics (Over C10-C28)	**80.6**		50.0		mg/Kg		06/09/25 09:12	06/11/25 07:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/09/25 09:12*	*06/11/25 07:27*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/09/25 09:12*	*06/11/25 07:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		10.0		mg/Kg			06/12/25 03:39	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy 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)								
890-8275-1	HA-15	101	99								
LCS 880-111868/1-A	Lab Control Sample	93	88								
LCSD 880-111868/2-A	Lab Control Sample Dup	93	90								
MB 880-111868/5-A	Method Blank	95	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)								
890-8275-1	HA-15	107	109								
LCS 880-111759/2-A	Lab Control Sample	75	81								
LCSD 880-111759/3-A	Lab Control Sample Dup	76	83								
MB 880-111759/1-A	Method Blank	84	87								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111868/5-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/10/25 09:35*	*06/10/25 11:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/10/25 09:35*	*06/10/25 11:21*	*1*

Lab Sample ID: LCS 880-111868/1-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1063		mg/Kg		106	70 - 130		
Toluene			0.100	0.09667		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1017		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2055		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1013		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-111868/2-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1104		mg/Kg		110	70 - 130	4	35
Toluene			0.100	0.09886		mg/Kg		99	70 - 130	2	35
Ethylbenzene			0.100	0.1044		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130	3	35
o-Xylene			0.100	0.1057		mg/Kg		106	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-111759/1-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111759

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		06/09/25 09:12	06/11/25 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/09/25 09:12*	*06/11/25 01:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/09/25 09:12*	*06/11/25 01:37*	*1*

Lab Sample ID: LCS 880-111759/2-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111759

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	823.8		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	877.1		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: LCSD 880-111759/3-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111759

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	835.8		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	906.4		mg/Kg		91	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111915/1-A
Matrix: Solid
Analysis Batch: 111962

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			06/12/25 01:15	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-111915/2-A
Matrix: Solid
Analysis Batch: 111962

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.7		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-111915/3-A
Matrix: Solid
Analysis Batch: 111962

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	261.0		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 111858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8275-1	HA-15	Total/NA	Solid	8021B	111868
MB 880-111868/5-A	Method Blank	Total/NA	Solid	8021B	111868
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	8021B	111868
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111868

Prep Batch: 111868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8275-1	HA-15	Total/NA	Solid	5035	
MB 880-111868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 111997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8275-1	HA-15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8275-1	HA-15	Total/NA	Solid	8015NM Prep	
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8275-1	HA-15	Total/NA	Solid	8015B NM	111759
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015B NM	111759
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111759
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111759

Analysis Batch: 111988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8275-1	HA-15	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8275-1	HA-15	Soluble	Solid	DI Leach	
MB 880-111915/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111915/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111915/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 111962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8275-1	HA-15	Soluble	Solid	300.0	111915
MB 880-111915/1-A	Method Blank	Soluble	Solid	300.0	111915
LCS 880-111915/2-A	Lab Control Sample	Soluble	Solid	300.0	111915
LCSD 880-111915/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111915

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy County, NM

Client Sample ID: HA-15

Date Collected: 06/06/25 10:30
Date Received: 06/09/25 08:19

Lab Sample ID: 890-8275-1

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			5.05 g	5 mL	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111997	06/10/25 14:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			111988	06/11/25 07:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 07:27	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		1			111962	06/12/25 03:39	CH	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: 890-8275-1
Project/Site: Ross DrawUnit 43
SDG: Eddy 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	06-30-25

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: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy 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: Ross DrawUnit 43

Job ID: 890-8275-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8275-1	HA-15	Solid	06/06/25 10:30	06/09/25 08:19	6

Page 269 of 808

6/12/2025

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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

890-8275 Chain of Custody

www.xenco.com Page

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR#007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-5.6
Total Containers:		Corrected Temperature:	-5.4

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
HA-15	S	6.6.25	10:30	6	Grab/	1		X	X	X			Incident Number nAPP2513556445

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		8:19 6/9	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 16 of 19

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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: 890-5264.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8275-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/13/2025			
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: Ross DrawUnit 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-15 (890-8275-1)	6/6/25	10:30 Central	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: 3:41 6/9	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/10/25 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4/1.3 -.1 IR4

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8275-1
SDG Number: Eddy County, NM

Login Number: 8275
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: 890-8275-1
SDG Number: Eddy County, NM

Login Number: 8275
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 06/10/25 08:43 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 6/12/2025 11:00:03 AM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8276-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 1/20/2026 3:27:17 PM

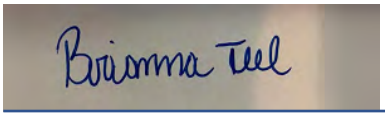
Eurofins Carlsbad

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
6/12/2025 11:00:03 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: Ross Draw Unit 43

Laboratory Job ID: 890-8276-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 11
Lab Chronicle 12
Certification Summary 13
Method Summary 14
Sample Summary 15
Chain of Custody 16
Receipt Checklists 18

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy 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: 890-8276-1
Project: Ross Draw Unit 43

Job ID: 890-8276-1 Eurofins Carlsbad

Job Narrative
890-8276-1

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

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

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

Receipt
The sample was received on 6/9/2025 8:21 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.4°C.

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

Diesel Range Organics
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: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy County, NM

Client Sample ID: HA-16

Date Collected: 06/06/25 10:50
Date Received: 06/09/25 08:21
Sample Depth: 6

Lab Sample ID: 890-8276-1

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		06/10/25 09:35	06/10/25 14:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 14:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 14:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 14:46	1
o-Xylene	**0.00289**		0.00200		mg/Kg		06/10/25 09:35	06/10/25 14:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/10/25 09:35*	*06/10/25 14:46*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/10/25 09:35*	*06/10/25 14:46*	*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			06/10/25 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/11/25 07:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 07:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 07:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/09/25 09:12	06/11/25 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/09/25 09:12*	*06/11/25 07:44*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/09/25 09:12*	*06/11/25 07:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.8**		10.0		mg/Kg			06/12/25 03:46	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy 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)										
890-8276-1	HA-16	98	97										
LCS 880-111868/1-A	Lab Control Sample	93	88										
LCSD 880-111868/2-A	Lab Control Sample Dup	93	90										
MB 880-111868/5-A	Method Blank	95	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)										
890-8276-1	HA-16	107	112										
LCS 880-111759/2-A	Lab Control Sample	75	81										
LCSD 880-111759/3-A	Lab Control Sample Dup	76	83										
MB 880-111759/1-A	Method Blank	84	87										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111868/5-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/10/25 09:35*	*06/10/25 11:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/10/25 09:35*	*06/10/25 11:21*	*1*

Lab Sample ID: LCS 880-111868/1-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1063		mg/Kg		106	70 - 130		
Toluene			0.100	0.09667		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1017		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2055		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1013		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-111868/2-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1104		mg/Kg		110	70 - 130	4	35
Toluene			0.100	0.09886		mg/Kg		99	70 - 130	2	35
Ethylbenzene			0.100	0.1044		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130	3	35
o-Xylene			0.100	0.1057		mg/Kg		106	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-111759/1-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111759

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		06/09/25 09:12	06/11/25 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/09/25 09:12*	*06/11/25 01:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/09/25 09:12*	*06/11/25 01:37*	*1*

Lab Sample ID: LCS 880-111759/2-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111759

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	823.8		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	877.1		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: LCSD 880-111759/3-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111759

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	835.8		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	906.4		mg/Kg		91	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111915/1-A
Matrix: Solid
Analysis Batch: 111962

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			06/12/25 01:15	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-111915/2-A
Matrix: Solid
Analysis Batch: 111962

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.7		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-111915/3-A
Matrix: Solid
Analysis Batch: 111962

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	261.0		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 111858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8276-1	HA-16	Total/NA	Solid	8021B	111868
MB 880-111868/5-A	Method Blank	Total/NA	Solid	8021B	111868
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	8021B	111868
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111868

Prep Batch: 111868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8276-1	HA-16	Total/NA	Solid	5035	
MB 880-111868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 111998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8276-1	HA-16	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8276-1	HA-16	Total/NA	Solid	8015NM Prep	
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8276-1	HA-16	Total/NA	Solid	8015B NM	111759
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015B NM	111759
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111759
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111759

Analysis Batch: 111989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8276-1	HA-16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8276-1	HA-16	Soluble	Solid	DI Leach	
MB 880-111915/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111915/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111915/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 111962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8276-1	HA-16	Soluble	Solid	300.0	111915
MB 880-111915/1-A	Method Blank	Soluble	Solid	300.0	111915
LCS 880-111915/2-A	Lab Control Sample	Soluble	Solid	300.0	111915
LCSD 880-111915/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111915

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy County, NM

Client Sample ID: HA-16

Date Collected: 06/06/25 10:50
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8276-1

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	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111998	06/10/25 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			111989	06/11/25 07:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 07:44	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		1			111962	06/12/25 03:46	CH	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: 890-8276-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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	06-30-25

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: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8276-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8276-1	HA-16	Solid	06/06/25 10:50	06/09/25 08:21	6

Page 288 of 808

6/12/2025

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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

Worl

890-8276 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TR#107	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-5.6	
Total Containers:		Corrected Temperature:	-5.4	

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	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-16	S	6.6.25	10:50	6	Grab/	1		X	X	X			Incident Number
													nAPP2513556445

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			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 16 of 19

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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: 890-5264.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8276-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/13/2025			
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: ROSS DRAW UNIT 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
Preservation Code:													
HA-16 (890-8276-1)	6/6/25	10:50 Central	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:	Date/Time: 6/10/25 800	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 -.1 IR8

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8276-1
SDG Number: Eddy County, NM

Login Number: 8276
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: 890-8276-1
SDG Number: Eddy County, NM

Login Number: 8276
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 06/10/25 08:43 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 6/12/2025 11:00:55 AM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8277-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 1/20/2026 3:27:17 PM

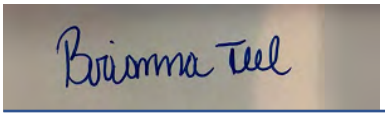
Eurofins Carlsbad

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
6/12/2025 11:00:55 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: Ross Draw Unit 43

Laboratory Job ID: 890-8277-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 11
Lab Chronicle 12
Certification Summary 13
Method Summary 14
Sample Summary 15
Chain of Custody 16
Receipt Checklists 18

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy 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: 890-8277-1
Project: Ross Draw Unit 43

Job ID: 890-8277-1 Eurofins Carlsbad

Job Narrative
890-8277-1

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

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

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

Receipt
The sample was received on 6/9/2025 8:21 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.4°C.

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

Diesel Range Organics
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: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy County, NM

Client Sample ID: HA-17

Date Collected: 06/06/25 11:10
Date Received: 06/09/25 08:21
Sample Depth: 6

Lab Sample ID: 890-8277-1

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		06/10/25 09:35	06/10/25 16:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 16:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 16:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/10/25 09:35	06/10/25 16:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 16:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/10/25 09:35	06/10/25 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/10/25 09:35*	*06/10/25 16:09*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/10/25 09:35*	*06/10/25 16:09*	*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			06/10/25 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.4**		50.0		mg/Kg			06/11/25 08:00	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		06/09/25 09:12	06/11/25 08:00	1
Diesel Range Organics (Over C10-C28)	**57.4**		50.0		mg/Kg		06/09/25 09:12	06/11/25 08:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/09/25 09:12*	*06/11/25 08:00*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/09/25 09:12*	*06/11/25 08:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		10.1		mg/Kg			06/12/25 04:08	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy 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)										
890-8277-1	HA-17	105	98										
LCS 880-111868/1-A	Lab Control Sample	93	88										
LCSD 880-111868/2-A	Lab Control Sample Dup	93	90										
MB 880-111868/5-A	Method Blank	95	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)										
890-8277-1	HA-17	108	109										
LCS 880-111759/2-A	Lab Control Sample	75	81										
LCSD 880-111759/3-A	Lab Control Sample Dup	76	83										
MB 880-111759/1-A	Method Blank	84	87										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111868/5-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/25 09:35	06/10/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/25 09:35	06/10/25 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/10/25 09:35*	*06/10/25 11:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/10/25 09:35*	*06/10/25 11:21*	*1*

Lab Sample ID: LCS 880-111868/1-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1063		mg/Kg		106	70 - 130		
Toluene			0.100	0.09667		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1017		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2055		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1013		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-111868/2-A
Matrix: Solid
Analysis Batch: 111858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111868

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1104		mg/Kg		110	70 - 130	4	35
Toluene			0.100	0.09886		mg/Kg		99	70 - 130	2	35
Ethylbenzene			0.100	0.1044		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130	3	35
o-Xylene			0.100	0.1057		mg/Kg		106	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-111759/1-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111759

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		06/09/25 09:12	06/11/25 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/25 09:12	06/11/25 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/09/25 09:12*	*06/11/25 01:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/09/25 09:12*	*06/11/25 01:37*	*1*

Lab Sample ID: LCS 880-111759/2-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	823.8		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	877.1		mg/Kg		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: LCSD 880-111759/3-A
Matrix: Solid
Analysis Batch: 111870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	835.8		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	906.4		mg/Kg		91	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*76*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111915/1-A
Matrix: Solid
Analysis Batch: 111962

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			06/12/25 01:15	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-111915/2-A
Matrix: Solid
Analysis Batch: 111962

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.7		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-111915/3-A
Matrix: Solid
Analysis Batch: 111962

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	261.0		mg/Kg		104	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 111858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8277-1	HA-17	Total/NA	Solid	8021B	111868
MB 880-111868/5-A	Method Blank	Total/NA	Solid	8021B	111868
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	8021B	111868
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111868

Prep Batch: 111868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8277-1	HA-17	Total/NA	Solid	5035	
MB 880-111868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 111999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8277-1	HA-17	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8277-1	HA-17	Total/NA	Solid	8015NM Prep	
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8277-1	HA-17	Total/NA	Solid	8015B NM	111759
MB 880-111759/1-A	Method Blank	Total/NA	Solid	8015B NM	111759
LCS 880-111759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111759
LCSD 880-111759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111759

Analysis Batch: 111990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8277-1	HA-17	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8277-1	HA-17	Soluble	Solid	DI Leach	
MB 880-111915/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111915/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111915/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 111962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8277-1	HA-17	Soluble	Solid	300.0	111915
MB 880-111915/1-A	Method Blank	Soluble	Solid	300.0	111915
LCS 880-111915/2-A	Lab Control Sample	Soluble	Solid	300.0	111915
LCSD 880-111915/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111915

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy County, NM

Client Sample ID: HA-17

Date Collected: 06/06/25 11:10
Date Received: 06/09/25 08:21

Lab Sample ID: 890-8277-1

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	111868	06/10/25 09:35	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111858	06/10/25 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111999	06/10/25 16:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			111990	06/11/25 08:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	111759	06/09/25 09:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111870	06/11/25 08:00	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111915	06/10/25 15:16	SA	EET MID
Soluble	Analysis	300.0		1			111962	06/12/25 04:08	CH	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: 890-8277-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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	06-30-25

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: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8277-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8277-1	HA-17	Solid	06/06/25 11:10	06/09/25 08:21	6

Page 307 of 808

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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

Wo

890-8277 Chain of Custody

www.xenco.com

6/12/2025

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-Gun 667
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-5.4
Total Containers:		Corrected Temperature:	-5.4

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

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
HA-17	S	6.6.25	11:10	6	Grab/	1		X	X	X			Incident Number
													nAPP2513556445

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		8:21 6/9	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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: 890-5263.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8277-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/13/2025			
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: ROSS DRAW UNIT 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-17 (890-8277-1)	6/6/25	11:10 Central	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: 6/9 3:44	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/10/25 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8277-1
SDG Number: Eddy County, NM

Login Number: 8277
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: 890-8277-1
SDG Number: Eddy County, NM

Login Number: 8277
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 06/10/25 08:43 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 6/18/2025 4:20:46 PM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County,NM

JOB NUMBER

890-8287-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 1/28/2026 3:27:17 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

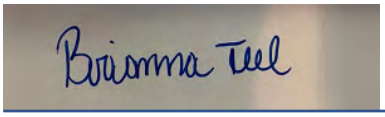

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Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 30
QC Sample Results 32
QC Association Summary 39
Lab Chronicle 46
Certification Summary 56
Method Summary 57
Sample Summary 58
Chain of Custody 59
Receipt Checklists 67

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: 890-8287-1
Project: Ross Draw Unit 43

Job ID: 890-8287-1 Eurofins Carlsbad

Job Narrative
890-8287-1

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

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

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

Receipt
The samples were received on 6/13/2025 8:47 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 -6.8°C.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: HA-32 (890-8287-21). 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 880-112275 and analytical batch 880-112063 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-112271 and analytical batch 880-112159 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
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 Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112262 and analytical batch 880-112317 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.

The associated samples are: HA-31 (890-8287-18), HA-31 (890-8287-19), HA-32 (890-8287-20), HA-32 (890-8287-21), HA-32 (890-8287-22), HA-33 (890-8287-23), HA-33 (890-8287-24), HA-33 (890-8287-25), HA-34 (890-8287-26), HA-34 (890-8287-27), (890-8287-A-18-B MS) and (890-8287-A-18-C 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: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-23

Date Collected: 06/12/25 11:00
Date Received: 06/13/25 08:47
Sample Depth: 0.5

Lab Sample ID: 890-8287-1
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		06/16/25 08:35	06/16/25 12:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 12:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 12:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/16/25 08:35	06/16/25 12:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 12:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/16/25 08:35	06/16/25 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/16/25 08:35*	*06/16/25 12:19*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/16/25 08:35*	*06/16/25 12:19*	*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			06/16/25 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/18/25 05:22	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		06/16/25 09:28	06/18/25 05:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 05:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*06/16/25 09:28*	*06/18/25 05:22*	*1*
o-Terphenyl	*118*		*70 - 130*	*06/16/25 09:28*	*06/18/25 05:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**185**		9.92		mg/Kg			06/17/25 00:16	1

Client Sample ID: HA-23

Date Collected: 06/12/25 11:05
Date Received: 06/13/25 08:47
Sample Depth: 4

Lab Sample ID: 890-8287-2
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		06/16/25 08:35	06/16/25 12:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/16/25 08:35	06/16/25 12:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/16/25 08:35	06/16/25 12:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/16/25 08:35	06/16/25 12:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/16/25 08:35	06/16/25 12:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/16/25 08:35	06/16/25 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/16/25 08:35*	*06/16/25 12:39*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-23

Date Collected: 06/12/25 11:05
Date Received: 06/13/25 08:47
Sample Depth: 4

Lab Sample ID: 890-8287-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*06/16/25 08:35*	*06/16/25 12:39*	*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			06/16/25 12:39	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			06/18/25 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 05:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 05:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*06/16/25 09:28*	*06/18/25 05:54*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/16/25 09:28*	*06/18/25 05:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**339**		9.98		mg/Kg			06/17/25 00:23	1

Client Sample ID: HA-24

Date Collected: 06/12/25 11:10
Date Received: 06/13/25 08:47
Sample Depth: 0.5

Lab Sample ID: 890-8287-3

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		06/16/25 08:35	06/16/25 13:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 13:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 13:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 13:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 13:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/16/25 08:35*	*06/16/25 13:00*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*06/16/25 08:35*	*06/16/25 13:00*	*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			06/16/25 13:00	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			06/18/25 06:10	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-24

Lab Sample ID: 890-8287-3
Matrix: Solid
Date Collected: 06/12/25 11:10
Date Received: 06/13/25 08:47
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	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 06:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 06:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*06/16/25 09:28*	*06/18/25 06:10*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/16/25 09:28*	*06/18/25 06:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		10.0		mg/Kg			06/17/25 00:30	1

Client Sample ID: HA-24

Lab Sample ID: 890-8287-4
Matrix: Solid
Date Collected: 06/12/25 11:15
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 13:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/16/25 08:35	06/16/25 13:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/16/25 08:35	06/16/25 13:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/16/25 08:35	06/16/25 13:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/16/25 08:35	06/16/25 13:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/16/25 08:35	06/16/25 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/16/25 08:35*	*06/16/25 13:20*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*06/16/25 08:35*	*06/16/25 13:20*	*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			06/16/25 13:20	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			06/18/25 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	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 06:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 06:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*06/16/25 09:28*	*06/18/25 06:28*	*1*
o-Terphenyl	*98*		*70 - 130*	*06/16/25 09:28*	*06/18/25 06:28*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-24

Lab Sample ID: 890-8287-4
Matrix: Solid
Date Collected: 06/12/25 11:15
Date Received: 06/13/25 08:47
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		10.1		mg/Kg			06/17/25 00:37	1

Client Sample ID: HA-25

Lab Sample ID: 890-8287-5
Matrix: Solid
Date Collected: 06/12/25 11:20
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 13:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 13:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 13:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 13:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 13:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/16/25 08:35*	*06/16/25 13:41*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/16/25 08:35*	*06/16/25 13:41*	*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			06/16/25 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/18/25 06:43	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		06/16/25 09:28	06/18/25 06:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/25 09:28	06/18/25 06:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/25 09:28	06/18/25 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*06/16/25 09:28*	*06/18/25 06:43*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/16/25 09:28*	*06/18/25 06:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		10.1		mg/Kg			06/17/25 00:44	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-25

Date Collected: 06/12/25 11:25
Date Received: 06/13/25 08:47
Sample Depth: 4

Lab Sample ID: 890-8287-6
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		06/16/25 08:35	06/16/25 14:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 14:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 14:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/16/25 08:35	06/16/25 14:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 14:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/16/25 08:35	06/16/25 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/16/25 08:35*	*06/16/25 14:01*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/16/25 08:35*	*06/16/25 14:01*	*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			06/16/25 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/18/25 07:01	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	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 07:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 07:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 07:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*06/16/25 09:28*	*06/18/25 07:01*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/16/25 09:28*	*06/18/25 07:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**361**		9.94		mg/Kg			06/17/25 00:52	1

Client Sample ID: HA-26

Date Collected: 06/12/25 11:30
Date Received: 06/13/25 08:47
Sample Depth: 0.5

Lab Sample ID: 890-8287-7
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		06/16/25 08:35	06/16/25 14:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 14:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 14:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/16/25 08:35	06/16/25 14:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 14:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/16/25 08:35	06/16/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/16/25 08:35*	*06/16/25 14:22*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-26

Lab Sample ID: 890-8287-7
Matrix: Solid
Date Collected: 06/12/25 11:30
Date Received: 06/13/25 08:47
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*06/16/25 08:35*	*06/16/25 14:22*	*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			06/16/25 14:22	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			06/18/25 07:17	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	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 07:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 07:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/16/25 09:28*	*06/18/25 07:17*	*1*
o-Terphenyl	*113*		*70 - 130*	*06/16/25 09:28*	*06/18/25 07:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.8**		9.90		mg/Kg			06/17/25 00:59	1

Client Sample ID: HA-26

Lab Sample ID: 890-8287-8
Matrix: Solid
Date Collected: 06/12/25 11:35
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 14:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 14:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 14:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/16/25 08:35	06/16/25 14:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 14:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/16/25 08:35	06/16/25 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/16/25 08:35*	*06/16/25 14:42*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/16/25 08:35*	*06/16/25 14:42*	*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			06/16/25 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/18/25 07:34	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-26

Lab Sample ID: 890-8287-8
Matrix: Solid
Date Collected: 06/12/25 11:35
Date Received: 06/13/25 08:47
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	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 07:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 07:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/16/25 09:28*	*06/18/25 07:34*	*1*
o-Terphenyl	*94*		*70 - 130*	*06/16/25 09:28*	*06/18/25 07:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.8**		9.92		mg/Kg			06/16/25 19:35	1

Client Sample ID: HA-27

Lab Sample ID: 890-8287-9
Matrix: Solid
Date Collected: 06/12/25 11:40
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 15:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 15:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 15:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/16/25 08:35	06/16/25 15:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 15:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/16/25 08:35	06/16/25 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/16/25 08:35*	*06/16/25 15:03*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*06/16/25 08:35*	*06/16/25 15:03*	*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			06/16/25 15:03	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			06/18/25 07:50	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		06/16/25 09:28	06/18/25 07:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/25 09:28	06/18/25 07:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/25 09:28	06/18/25 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/16/25 09:28*	*06/18/25 07:50*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/16/25 09:28*	*06/18/25 07:50*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-27

Lab Sample ID: 890-8287-9
Matrix: Solid
Date Collected: 06/12/25 11:40
Date Received: 06/13/25 08:47
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		9.94		mg/Kg			06/16/25 19:47	1

Client Sample ID: HA-27

Lab Sample ID: 890-8287-10
Matrix: Solid
Date Collected: 06/12/25 11:45
Date Received: 06/13/25 08:47
Sample Depth: 4

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		06/16/25 08:35	06/16/25 15:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 15:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 15:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/16/25 08:35	06/16/25 15:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/16/25 08:35	06/16/25 15:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/16/25 08:35	06/16/25 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*06/16/25 08:35*	*06/16/25 15:23*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*06/16/25 08:35*	*06/16/25 15:23*	*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			06/16/25 15:23	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			06/18/25 08:07	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		06/16/25 09:28	06/18/25 08:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 08:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*06/16/25 09:28*	*06/18/25 08:07*	*1*
o-Terphenyl	*97*		*70 - 130*	*06/16/25 09:28*	*06/18/25 08:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		10.0		mg/Kg			06/16/25 19:51	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-28

Lab Sample ID: 890-8287-11
Matrix: Solid
Date Collected: 06/12/25 11:50
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 17:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 17:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/16/25 08:35*	*06/16/25 17:14*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*06/16/25 08:35*	*06/16/25 17:14*	*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			06/16/25 17:14	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			06/18/25 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 08:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 08:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:28	06/18/25 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/16/25 09:28*	*06/18/25 08:23*	*1*
o-Terphenyl	*100*		*70 - 130*	*06/16/25 09:28*	*06/18/25 08:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.4**		9.98		mg/Kg			06/16/25 19:55	1

Client Sample ID: HA-28

Lab Sample ID: 890-8287-12
Matrix: Solid
Date Collected: 06/12/25 11:55
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/16/25 08:35*	*06/16/25 17:34*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-28

Lab Sample ID: 890-8287-12
Matrix: Solid

Date Collected: 06/12/25 11:55
Date Received: 06/13/25 08:47
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*06/16/25 08:35*	*06/16/25 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			06/16/25 17:34	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			06/18/25 02:22	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		06/16/25 09:31	06/18/25 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 02:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*06/16/25 09:31*	*06/18/25 02:22*	*1*
o-Terphenyl	*111*		*70 - 130*	*06/16/25 09:31*	*06/18/25 02:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**153**		10.0		mg/Kg			06/16/25 19:59	1

Client Sample ID: HA-29

Lab Sample ID: 890-8287-13
Matrix: Solid

Date Collected: 06/12/25 12:00
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 17:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 17:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 17:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/16/25 08:35*	*06/16/25 17:55*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/16/25 08:35*	*06/16/25 17:55*	*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			06/16/25 17:55	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			06/18/25 03:12	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-29

Lab Sample ID: 890-8287-13
Matrix: Solid
Date Collected: 06/12/25 12:00
Date Received: 06/13/25 08:47
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	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 03:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 03:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*06/16/25 09:31*	*06/18/25 03:12*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/16/25 09:31*	*06/18/25 03:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		10.0		mg/Kg			06/16/25 20:11	1

Client Sample ID: HA-29

Lab Sample ID: 890-8287-14
Matrix: Solid
Date Collected: 06/12/25 12:05
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 18:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/25 08:35	06/16/25 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 18:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/25 08:35	06/16/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/16/25 08:35*	*06/16/25 18:15*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*06/16/25 08:35*	*06/16/25 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			06/16/25 18:15	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			06/18/25 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	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 03:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 03:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*06/16/25 09:31*	*06/18/25 03:28*	*1*
o-Terphenyl	*96*		*70 - 130*	*06/16/25 09:31*	*06/18/25 03:28*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-29

Lab Sample ID: 890-8287-14
Matrix: Solid
Date Collected: 06/12/25 12:05
Date Received: 06/13/25 08:47
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		10.1		mg/Kg			06/16/25 20:15	1

Client Sample ID: HA-30

Lab Sample ID: 890-8287-15
Matrix: Solid
Date Collected: 06/12/25 12:10
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 18:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/16/25 08:35	06/16/25 18:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/16/25 08:35	06/16/25 18:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/16/25 08:35	06/16/25 18:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/16/25 08:35	06/16/25 18:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/16/25 08:35	06/16/25 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/16/25 08:35*	*06/16/25 18:36*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/16/25 08:35*	*06/16/25 18:36*	*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			06/16/25 18:36	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			06/18/25 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 03:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 03:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*06/16/25 09:31*	*06/18/25 03:44*	*1*
o-Terphenyl	*107*		*70 - 130*	*06/16/25 09:31*	*06/18/25 03:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.5		10.1		mg/Kg			06/16/25 20:19	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-30

Lab Sample ID: 890-8287-16
Matrix: Solid
Date Collected: 06/12/25 12:15
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 18:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 18:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 18:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 18:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 18:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/16/25 08:35*	*06/16/25 18:56*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*06/16/25 08:35*	*06/16/25 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/16/25 18:56	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			06/18/25 04:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 04:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 04:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/16/25 09:31*	*06/18/25 04:02*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/16/25 09:31*	*06/18/25 04:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		10.1		mg/Kg			06/16/25 20:23	1

Client Sample ID: HA-31

Lab Sample ID: 890-8287-17
Matrix: Solid
Date Collected: 06/12/25 12:20
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 19:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 19:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 19:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 19:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:35	06/16/25 19:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/25 08:35	06/16/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*06/16/25 08:35*	*06/16/25 19:17*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-31

Lab Sample ID: 890-8287-17
Matrix: Solid
Date Collected: 06/12/25 12:20
Date Received: 06/13/25 08:47
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*06/16/25 08:35*	*06/16/25 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			06/16/25 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/18/25 04:18	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		06/16/25 09:31	06/18/25 04:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 04:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*06/16/25 09:31*	*06/18/25 04:18*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/16/25 09:31*	*06/18/25 04:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.8**		9.96		mg/Kg			06/16/25 20:26	1

Client Sample ID: HA-31

Lab Sample ID: 890-8287-18
Matrix: Solid
Date Collected: 06/12/25 12:25
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 19:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/25 08:35	06/16/25 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 19:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/25 08:35	06/16/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*06/16/25 08:35*	*06/16/25 19:37*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*06/16/25 08:35*	*06/16/25 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			06/16/25 19:37	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			06/18/25 04:34	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-31

Lab Sample ID: 890-8287-18
Matrix: Solid
Date Collected: 06/12/25 12:25
Date Received: 06/13/25 08:47
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		06/16/25 09:31	06/18/25 04:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 04:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/16/25 09:31*	*06/18/25 04:34*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/16/25 09:31*	*06/18/25 04:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.5**	**F1**	9.90		mg/Kg			06/16/25 20:30	1

Client Sample ID: HA-31

Lab Sample ID: 890-8287-19
Matrix: Solid
Date Collected: 06/12/25 12:30
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 19:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 19:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 19:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/25 08:35	06/16/25 19:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 19:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/25 08:35	06/16/25 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*06/16/25 08:35*	*06/16/25 19:58*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*06/16/25 08:35*	*06/16/25 19:58*	*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			06/16/25 19:58	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			06/18/25 04:50	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		06/16/25 09:31	06/18/25 04:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 04:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*06/16/25 09:31*	*06/18/25 04:50*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/25 09:31*	*06/18/25 04:50*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-31

Lab Sample ID: 890-8287-19
Matrix: Solid
Date Collected: 06/12/25 12:30
Date Received: 06/13/25 08:47
Sample Depth: 6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.5		10.0		mg/Kg			06/16/25 20:42	1

Client Sample ID: HA-32

Lab Sample ID: 890-8287-20
Matrix: Solid
Date Collected: 06/12/25 12:35
Date Received: 06/13/25 08:47
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		06/16/25 08:35	06/16/25 20:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/16/25 08:35	06/16/25 20:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/16/25 08:35	06/16/25 20:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/16/25 08:35	06/16/25 20:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/16/25 08:35	06/16/25 20:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/16/25 08:35	06/16/25 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/16/25 08:35*	*06/16/25 20:18*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/16/25 08:35*	*06/16/25 20:18*	*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			06/16/25 20:18	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			06/18/25 05:06	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	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 05:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 05:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*06/16/25 09:31*	*06/18/25 05:06*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/16/25 09:31*	*06/18/25 05:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.2		10.0		mg/Kg			06/16/25 20:46	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-32

Lab Sample ID: 890-8287-21
Matrix: Solid
Date Collected: 06/12/25 12:40
Date Received: 06/13/25 08:47
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		06/16/25 08:30	06/16/25 16:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 16:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 16:32	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 16:32	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		06/16/25 08:30	06/16/25 16:32	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*06/16/25 08:30*	*06/16/25 16:32*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*06/16/25 08:30*	*06/16/25 16:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/16/25 16:32	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			06/18/25 05:22	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	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 05:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 05:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/16/25 09:31*	*06/18/25 05:22*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/16/25 09:31*	*06/18/25 05:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		9.98		mg/Kg			06/16/25 20:58	1

Client Sample ID: HA-32

Lab Sample ID: 890-8287-22
Matrix: Solid
Date Collected: 06/12/25 12:45
Date Received: 06/13/25 08:47
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		06/16/25 08:30	06/16/25 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 16:52	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 16:52	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		06/16/25 08:30	06/16/25 16:52	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*06/16/25 08:30*	*06/16/25 16:52*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-32

Lab Sample ID: 890-8287-22
Matrix: Solid
Date Collected: 06/12/25 12:45
Date Received: 06/13/25 08:47
Sample Depth: 6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/16/25 08:30*	*06/16/25 16:52*	*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			06/16/25 16:52	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			06/18/25 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 05:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 05:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/16/25 09:31*	*06/18/25 05:54*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/16/25 09:31*	*06/18/25 05:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		9.94		mg/Kg			06/16/25 21:02	1

Client Sample ID: HA-33

Lab Sample ID: 890-8287-23
Matrix: Solid
Date Collected: 06/12/25 12:50
Date Received: 06/13/25 08:47
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		06/16/25 08:30	06/16/25 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 17:13	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 17:13	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		06/16/25 08:30	06/16/25 17:13	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*06/16/25 08:30*	*06/16/25 17:13*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/16/25 08:30*	*06/16/25 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/16/25 17:13	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			06/18/25 06:10	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-33

Lab Sample ID: 890-8287-23
Matrix: Solid
Date Collected: 06/12/25 12:50
Date Received: 06/13/25 08:47
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		06/16/25 09:31	06/18/25 06:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 06:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*06/16/25 09:31*	*06/18/25 06:10*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/16/25 09:31*	*06/18/25 06:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.7**		9.92		mg/Kg			06/16/25 21:06	1

Client Sample ID: HA-33

Lab Sample ID: 890-8287-24
Matrix: Solid
Date Collected: 06/12/25 12:25
Date Received: 06/13/25 08:47
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		06/16/25 08:30	06/16/25 17:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 17:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 17:34	1
m-Xylene & p-Xylene	<0.00399	U *-	0.00399		mg/Kg		06/16/25 08:30	06/16/25 17:34	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		06/16/25 08:30	06/16/25 17:34	1
Xylenes, Total	<0.00399	U *-	0.00399		mg/Kg		06/16/25 08:30	06/16/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/16/25 08:30*	*06/16/25 17:34*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/16/25 08:30*	*06/16/25 17:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/16/25 17:34	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			06/18/25 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	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 06:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 06:28	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*06/16/25 09:31*	*06/18/25 06:28*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/16/25 09:31*	*06/18/25 06:28*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-33
Date Collected: 06/12/25 12:25
Date Received: 06/13/25 08:47
Sample Depth: 4

Lab Sample ID: 890-8287-24
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.7		10.1		mg/Kg			06/16/25 21:10	1

Client Sample ID: HA-33
Date Collected: 06/12/25 13:00
Date Received: 06/13/25 08:47
Sample Depth: 6

Lab Sample ID: 890-8287-25
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		06/16/25 08:30	06/16/25 17:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/16/25 08:30	06/16/25 17:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/16/25 08:30	06/16/25 17:54	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396		mg/Kg		06/16/25 08:30	06/16/25 17:54	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		06/16/25 08:30	06/16/25 17:54	1
Xylenes, Total	<0.00396	U *-	0.00396		mg/Kg		06/16/25 08:30	06/16/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/16/25 08:30*	*06/16/25 17:54*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/16/25 08:30*	*06/16/25 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/16/25 17:54	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			06/18/25 06:43	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		06/16/25 09:31	06/18/25 06:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 06:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/16/25 09:31*	*06/18/25 06:43*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/16/25 09:31*	*06/18/25 06:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		10.1		mg/Kg			06/16/25 21:14	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-34

Lab Sample ID: 890-8287-26
Matrix: Solid
Date Collected: 06/12/25 13:05
Date Received: 06/13/25 08:47
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		06/16/25 08:30	06/16/25 18:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 18:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 18:15	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 18:15	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		06/16/25 08:30	06/16/25 18:15	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/16/25 08:30*	*06/16/25 18:15*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/16/25 08:30*	*06/16/25 18:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/16/25 18:15	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			06/18/25 07:01	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	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 07:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 07:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 07:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/16/25 09:31*	*06/18/25 07:01*	*1*
o-Terphenyl	*107*		*70 - 130*	*06/16/25 09:31*	*06/18/25 07:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.8**		9.98		mg/Kg			06/16/25 21:18	1

Client Sample ID: HA-34

Lab Sample ID: 890-8287-27
Matrix: Solid
Date Collected: 06/12/25 13:10
Date Received: 06/13/25 08:47
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		06/16/25 08:30	06/16/25 18:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 18:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/25 08:30	06/16/25 18:35	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 18:35	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		06/16/25 08:30	06/16/25 18:35	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		06/16/25 08:30	06/16/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/16/25 08:30*	*06/16/25 18:35*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-34

Lab Sample ID: 890-8287-27
Matrix: Solid
Date Collected: 06/12/25 13:10
Date Received: 06/13/25 08:47
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/16/25 08:30*	*06/16/25 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/16/25 18:35	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			06/18/25 07:17	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	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 07:17	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 07:17	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/16/25 09:31	06/18/25 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*06/16/25 09:31*	*06/18/25 07:17*	*1*
o-Terphenyl	*106*		*70 - 130*	*06/16/25 09:31*	*06/18/25 07:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		9.96		mg/Kg			06/16/25 21:22	1

Client Sample ID: HA-34

Lab Sample ID: 890-8287-28
Matrix: Solid
Date Collected: 06/12/25 13:15
Date Received: 06/13/25 08:47
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		06/16/25 08:30	06/16/25 18:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 18:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 18:56	1
m-Xylene & p-Xylene	<0.00399	U *-	0.00399		mg/Kg		06/16/25 08:30	06/16/25 18:56	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		06/16/25 08:30	06/16/25 18:56	1
Xylenes, Total	<0.00399	U *-	0.00399		mg/Kg		06/16/25 08:30	06/16/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/16/25 08:30*	*06/16/25 18:56*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/16/25 08:30*	*06/16/25 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/16/25 18:56	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			06/18/25 07:34	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-34

Lab Sample ID: 890-8287-28
Matrix: Solid
Date Collected: 06/12/25 13:15
Date Received: 06/13/25 08:47
Sample Depth: 6

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		06/16/25 09:31	06/18/25 07:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 07:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/25 09:31	06/18/25 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/16/25 09:31*	*06/18/25 07:34*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/16/25 09:31*	*06/18/25 07:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		10.1		mg/Kg			06/17/25 04:56	1

Client Sample ID: HA-35

Lab Sample ID: 890-8287-29
Matrix: Solid
Date Collected: 06/12/25 13:20
Date Received: 06/13/25 08:47
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		06/16/25 08:30	06/16/25 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 19:16	1
m-Xylene & p-Xylene	<0.00400	U *-	0.00400		mg/Kg		06/16/25 08:30	06/16/25 19:16	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		06/16/25 08:30	06/16/25 19:16	1
Xylenes, Total	<0.00400	U *-	0.00400		mg/Kg		06/16/25 08:30	06/16/25 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/16/25 08:30*	*06/16/25 19:16*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/16/25 08:30*	*06/16/25 19:16*	*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			06/16/25 19:16	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			06/18/25 07:50	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		06/16/25 09:31	06/18/25 07:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 07:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/25 09:31	06/18/25 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/16/25 09:31*	*06/18/25 07:50*	*1*
o-Terphenyl	*106*		*70 - 130*	*06/16/25 09:31*	*06/18/25 07:50*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-35
Date Collected: 06/12/25 13:20
Date Received: 06/13/25 08:47
Sample Depth: 0.5

Lab Sample ID: 890-8287-29
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		10.1		mg/Kg			06/17/25 05:03	1

Client Sample ID: HA-35
Date Collected: 06/12/25 13:25
Date Received: 06/13/25 08:47
Sample Depth: 4

Lab Sample ID: 890-8287-30
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		06/16/25 08:30	06/16/25 19:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/16/25 08:30	06/16/25 19:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/16/25 08:30	06/16/25 19:37	1
m-Xylene & p-Xylene	<0.00402	U *-	0.00402		mg/Kg		06/16/25 08:30	06/16/25 19:37	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		06/16/25 08:30	06/16/25 19:37	1
Xylenes, Total	<0.00402	U *-	0.00402		mg/Kg		06/16/25 08:30	06/16/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:30*	*06/16/25 19:37*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/16/25 08:30*	*06/16/25 19:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/16/25 19:37	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			06/18/25 08:07	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		06/16/25 09:31	06/18/25 08:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 08:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/16/25 09:31*	*06/18/25 08:07*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/16/25 09:31*	*06/18/25 08:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.1		9.98		mg/Kg			06/17/25 05:11	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy 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)										
890-8287-1	HA-23	87	100										
890-8287-1 MS	HA-23	106	95										
890-8287-1 MSD	HA-23	99	95										
890-8287-2	HA-23	108	108										
890-8287-3	HA-24	105	110										
890-8287-4	HA-24	104	108										
890-8287-5	HA-25	108	104										
890-8287-6	HA-25	118	105										
890-8287-7	HA-26	112	107										
890-8287-8	HA-26	105	101										
890-8287-9	HA-27	106	107										
890-8287-10	HA-27	109	109										
890-8287-11	HA-28	98	107										
890-8287-12	HA-28	110	115										
890-8287-13	HA-29	99	99										
890-8287-14	HA-29	111	109										
890-8287-15	HA-30	107	105										
890-8287-16	HA-30	108	111										
890-8287-17	HA-31	112	110										
890-8287-18	HA-31	124	116										
890-8287-19	HA-31	118	107										
890-8287-20	HA-32	111	104										
890-8287-21	HA-32	79	68 S1-										
890-8287-22	HA-32	81	94										
890-8287-23	HA-33	84	92										
890-8287-24	HA-33	89	95										
890-8287-25	HA-33	88	93										
890-8287-26	HA-34	89	90										
890-8287-27	HA-34	89	92										
890-8287-28	HA-34	95	80										
890-8287-29	HA-35	103	89										
890-8287-30	HA-35	96	80										
LCS 880-112271/1-A	Lab Control Sample	91	101										
LCS 880-112275/1-A	Lab Control Sample	91	96										
LCSD 880-112271/2-A	Lab Control Sample Dup	86	94										
LCSD 880-112275/2-A	Lab Control Sample Dup	97	93										
MB 880-112271/5-A	Method Blank	84	93										
MB 880-112275/5-A	Method Blank	142 S1+	96										

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)										
890-8287-1	HA-23	117	118										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8287-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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)								
890-8287-2	HA-23	101	99								
890-8287-3	HA-24	101	102								
890-8287-4	HA-24	99	98								
890-8287-5	HA-25	101	101								
890-8287-6	HA-25	113	110								
890-8287-7	HA-26	114	113								
890-8287-8	HA-26	98	94								
890-8287-9	HA-27	114	112								
890-8287-10	HA-27	99	97								
890-8287-11	HA-28	100	100								
890-8287-12	HA-28	113	111								
890-8287-12 MS	HA-28	99	103								
890-8287-12 MSD	HA-28	100	107								
890-8287-13	HA-29	113	112								
890-8287-14	HA-29	99	96								
890-8287-15	HA-30	111	107								
890-8287-16	HA-30	108	105								
890-8287-17	HA-31	112	109								
890-8287-18	HA-31	110	105								
890-8287-19	HA-31	108	104								
890-8287-20	HA-32	111	109								
890-8287-21	HA-32	106	102								
890-8287-22	HA-32	107	102								
890-8287-23	HA-33	111	108								
890-8287-24	HA-33	106	104								
890-8287-25	HA-33	107	103								
890-8287-26	HA-34	110	107								
890-8287-27	HA-34	111	106								
890-8287-28	HA-34	114	110								
890-8287-29	HA-35	110	106								
890-8287-30	HA-35	104	99								
LCS 880-112287/2-A	Lab Control Sample	95	103								
LCS 880-112288/2-A	Lab Control Sample	99	105								
LCSD 880-112287/3-A	Lab Control Sample Dup	106	114								
LCSD 880-112288/3-A	Lab Control Sample Dup	116	106								
MB 880-112287/1-A	Method Blank	76	77								
MB 880-112288/1-A	Method Blank	80	81								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112271/5-A
Matrix: Solid
Analysis Batch: 112159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/25 08:30	06/16/25 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:30	06/16/25 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/25 08:30	06/16/25 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*06/16/25 08:30*	*06/16/25 11:40*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/16/25 08:30*	*06/16/25 11:40*	*1*

Lab Sample ID: LCS 880-112271/1-A
Matrix: Solid
Analysis Batch: 112159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07577		mg/Kg		76	70 - 130
Toluene	0.100	0.07497		mg/Kg		75	70 - 130
Ethylbenzene	0.100	0.07347		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	0.200	0.1332	*-	mg/Kg		67	70 - 130
o-Xylene	0.100	0.06829	*-	mg/Kg		68	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-112271/2-A
Matrix: Solid
Analysis Batch: 112159

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112271

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07398		mg/Kg		74	70 - 130	2	35
Toluene	0.100	0.07565		mg/Kg		76	70 - 130	1	35
Ethylbenzene	0.100	0.07369		mg/Kg		74	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1318	*-	mg/Kg		66	70 - 130	1	35
o-Xylene	0.100	0.06841	*-	mg/Kg		68	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 880-112275/5-A
Matrix: Solid
Analysis Batch: 112063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 11:50	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

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

Lab Sample ID: MB 880-112275/5-A
Matrix: Solid
Analysis Batch: 112063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/25 08:35	06/16/25 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/25 08:35	06/16/25 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/25 08:35	06/16/25 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*06/16/25 08:35*	*06/16/25 11:50*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/16/25 08:35*	*06/16/25 11:50*	*1*

Lab Sample ID: LCS 880-112275/1-A
Matrix: Solid
Analysis Batch: 112063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1038		mg/Kg		104	70 - 130
Toluene	0.100	0.1040		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.09938		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2002		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1133		mg/Kg		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-112275/2-A
Matrix: Solid
Analysis Batch: 112063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112275

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1056		mg/Kg		106	70 - 130	2	35
Toluene	0.100	0.09318		mg/Kg		93	70 - 130	11	35
Ethylbenzene	0.100	0.1170		mg/Kg		117	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2199		mg/Kg		110	70 - 130	9	35
o-Xylene	0.100	0.1203		mg/Kg		120	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-8287-1 MS
Matrix: Solid
Analysis Batch: 112063

Client Sample ID: HA-23
Prep Type: Total/NA
Prep Batch: 112275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09233		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08777		mg/Kg		88	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09516		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2139		mg/Kg		107	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

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

Lab Sample ID: 890-8287-1 MS
Matrix: Solid
Analysis Batch: 112063

Client Sample ID: HA-23
Prep Type: Total/NA
Prep Batch: 112275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00200	U	0.100	0.1225		mg/Kg		122	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-8287-1 MSD
Matrix: Solid
Analysis Batch: 112063

Client Sample ID: HA-23
Prep Type: Total/NA
Prep Batch: 112275

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	0.1003		mg/Kg		100	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.1026		mg/Kg		103	70 - 130	16	35
Ethylbenzene	<0.00200	U	0.100	0.1077		mg/Kg		108	70 - 130	12	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2165		mg/Kg		108	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1204		mg/Kg		120	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: MB 880-112287/1-A
Matrix: Solid
Analysis Batch: 112402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112287

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		06/16/25 09:28	06/18/25 01:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 01:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:28	06/18/25 01:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*06/16/25 09:28*	*06/18/25 01:34*	*1*
o-Terphenyl	*77*		*70 - 130*	*06/16/25 09:28*	*06/18/25 01:34*	*1*

Lab Sample ID: LCS 880-112287/2-A
Matrix: Solid
Analysis Batch: 112402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112287

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	940.3		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	963.9		mg/Kg		96	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

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

Lab Sample ID: LCS 880-112287/2-A
Matrix: Solid
Analysis Batch: 112402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112287

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-112287/3-A
Matrix: Solid
Analysis Batch: 112402

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112287

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1017		mg/Kg		102	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1033		mg/Kg		103	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: MB 880-112288/1-A
Matrix: Solid
Analysis Batch: 112404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112288

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		06/16/25 09:31	06/18/25 01:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 01:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/25 09:31	06/18/25 01:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	06/16/25 09:31	06/18/25 01:34	1
o-Terphenyl	81		70 - 130	06/16/25 09:31	06/18/25 01:34	1

Lab Sample ID: LCS 880-112288/2-A
Matrix: Solid
Analysis Batch: 112404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112288

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	915.5		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)			1000	963.0		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	105		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

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

Lab Sample ID: LCSD 880-112288/3-A
Matrix: Solid
Analysis Batch: 112404

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112288

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	907.1		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	900.6		mg/Kg		90	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: 890-8287-12 MS
Matrix: Solid
Analysis Batch: 112404

Client Sample ID: HA-28
Prep Type: Total/NA
Prep Batch: 112288

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	999	774.0		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	856.4		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 890-8287-12 MSD
Matrix: Solid
Analysis Batch: 112404

Client Sample ID: HA-28
Prep Type: Total/NA
Prep Batch: 112288

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	999	789.0		mg/Kg		79	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	883.2		mg/Kg		88	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-112262/1-A
Matrix: Solid
Analysis Batch: 112317

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			06/16/25 19:23	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-112262/2-A
Matrix: Solid
Analysis Batch: 112317

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	235.4		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-112262/3-A
Matrix: Solid
Analysis Batch: 112317

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	235.6		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-8287-8 MS
Matrix: Solid
Analysis Batch: 112317

Client Sample ID: HA-26
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	83.8		248	332.1		mg/Kg		100	90 - 110		

Lab Sample ID: 890-8287-8 MSD
Matrix: Solid
Analysis Batch: 112317

Client Sample ID: HA-26
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	83.8		248	332.5		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-8287-18 MS
Matrix: Solid
Analysis Batch: 112317

Client Sample ID: HA-31
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	51.5	F1	248	360.6	F1	mg/Kg		125	90 - 110		

Lab Sample ID: 890-8287-18 MSD
Matrix: Solid
Analysis Batch: 112317

Client Sample ID: HA-31
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	51.5	F1	251	365.6	F1	mg/Kg		125	90 - 110	1	20

Lab Sample ID: MB 880-112261/1-A
Matrix: Solid
Analysis Batch: 112318

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			06/16/25 21:23	1

Lab Sample ID: LCS 880-112261/2-A
Matrix: Solid
Analysis Batch: 112318

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	265.8		mg/Kg		106	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-112261/3-A
Matrix: Solid
Analysis Batch: 112318

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	263.9		mg/Kg		106	90 - 110	1	20

Lab Sample ID: MB 880-112292/1-A
Matrix: Solid
Analysis Batch: 112338

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			06/17/25 01:35	1

Lab Sample ID: LCS 880-112292/2-A
Matrix: Solid
Analysis Batch: 112338

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	265.5		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-112292/3-A
Matrix: Solid
Analysis Batch: 112338

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	260.6		mg/Kg		104	90 - 110	2	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

GC VOA

Analysis Batch: 112063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-1	HA-23	Total/NA	Solid	8021B	112275
890-8287-2	HA-23	Total/NA	Solid	8021B	112275
890-8287-3	HA-24	Total/NA	Solid	8021B	112275
890-8287-4	HA-24	Total/NA	Solid	8021B	112275
890-8287-5	HA-25	Total/NA	Solid	8021B	112275
890-8287-6	HA-25	Total/NA	Solid	8021B	112275
890-8287-7	HA-26	Total/NA	Solid	8021B	112275
890-8287-8	HA-26	Total/NA	Solid	8021B	112275
890-8287-9	HA-27	Total/NA	Solid	8021B	112275
890-8287-10	HA-27	Total/NA	Solid	8021B	112275
890-8287-11	HA-28	Total/NA	Solid	8021B	112275
890-8287-12	HA-28	Total/NA	Solid	8021B	112275
890-8287-13	HA-29	Total/NA	Solid	8021B	112275
890-8287-14	HA-29	Total/NA	Solid	8021B	112275
890-8287-15	HA-30	Total/NA	Solid	8021B	112275
890-8287-16	HA-30	Total/NA	Solid	8021B	112275
890-8287-17	HA-31	Total/NA	Solid	8021B	112275
890-8287-18	HA-31	Total/NA	Solid	8021B	112275
890-8287-19	HA-31	Total/NA	Solid	8021B	112275
890-8287-20	HA-32	Total/NA	Solid	8021B	112275
MB 880-112275/5-A	Method Blank	Total/NA	Solid	8021B	112275
LCS 880-112275/1-A	Lab Control Sample	Total/NA	Solid	8021B	112275
LCSD 880-112275/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112275
890-8287-1 MS	HA-23	Total/NA	Solid	8021B	112275
890-8287-1 MSD	HA-23	Total/NA	Solid	8021B	112275

Analysis Batch: 112159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-21	HA-32	Total/NA	Solid	8021B	112271
890-8287-22	HA-32	Total/NA	Solid	8021B	112271
890-8287-23	HA-33	Total/NA	Solid	8021B	112271
890-8287-24	HA-33	Total/NA	Solid	8021B	112271
890-8287-25	HA-33	Total/NA	Solid	8021B	112271
890-8287-26	HA-34	Total/NA	Solid	8021B	112271
890-8287-27	HA-34	Total/NA	Solid	8021B	112271
890-8287-28	HA-34	Total/NA	Solid	8021B	112271
890-8287-29	HA-35	Total/NA	Solid	8021B	112271
890-8287-30	HA-35	Total/NA	Solid	8021B	112271
MB 880-112271/5-A	Method Blank	Total/NA	Solid	8021B	112271
LCS 880-112271/1-A	Lab Control Sample	Total/NA	Solid	8021B	112271
LCSD 880-112271/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112271

Prep Batch: 112271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-21	HA-32	Total/NA	Solid	5035	
890-8287-22	HA-32	Total/NA	Solid	5035	
890-8287-23	HA-33	Total/NA	Solid	5035	
890-8287-24	HA-33	Total/NA	Solid	5035	
890-8287-25	HA-33	Total/NA	Solid	5035	
890-8287-26	HA-34	Total/NA	Solid	5035	
890-8287-27	HA-34	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

GC VOA (Continued)

Prep Batch: 112271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-28	HA-34	Total/NA	Solid	5035	
890-8287-29	HA-35	Total/NA	Solid	5035	
890-8287-30	HA-35	Total/NA	Solid	5035	
MB 880-112271/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112271/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112271/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 112275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-1	HA-23	Total/NA	Solid	5035	
890-8287-2	HA-23	Total/NA	Solid	5035	
890-8287-3	HA-24	Total/NA	Solid	5035	
890-8287-4	HA-24	Total/NA	Solid	5035	
890-8287-5	HA-25	Total/NA	Solid	5035	
890-8287-6	HA-25	Total/NA	Solid	5035	
890-8287-7	HA-26	Total/NA	Solid	5035	
890-8287-8	HA-26	Total/NA	Solid	5035	
890-8287-9	HA-27	Total/NA	Solid	5035	
890-8287-10	HA-27	Total/NA	Solid	5035	
890-8287-11	HA-28	Total/NA	Solid	5035	
890-8287-12	HA-28	Total/NA	Solid	5035	
890-8287-13	HA-29	Total/NA	Solid	5035	
890-8287-14	HA-29	Total/NA	Solid	5035	
890-8287-15	HA-30	Total/NA	Solid	5035	
890-8287-16	HA-30	Total/NA	Solid	5035	
890-8287-17	HA-31	Total/NA	Solid	5035	
890-8287-18	HA-31	Total/NA	Solid	5035	
890-8287-19	HA-31	Total/NA	Solid	5035	
890-8287-20	HA-32	Total/NA	Solid	5035	
MB 880-112275/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112275/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112275/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8287-1 MS	HA-23	Total/NA	Solid	5035	
890-8287-1 MSD	HA-23	Total/NA	Solid	5035	

Analysis Batch: 112535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-1	HA-23	Total/NA	Solid	Total BTEX	
890-8287-2	HA-23	Total/NA	Solid	Total BTEX	
890-8287-3	HA-24	Total/NA	Solid	Total BTEX	
890-8287-4	HA-24	Total/NA	Solid	Total BTEX	
890-8287-5	HA-25	Total/NA	Solid	Total BTEX	
890-8287-6	HA-25	Total/NA	Solid	Total BTEX	
890-8287-7	HA-26	Total/NA	Solid	Total BTEX	
890-8287-8	HA-26	Total/NA	Solid	Total BTEX	
890-8287-9	HA-27	Total/NA	Solid	Total BTEX	
890-8287-10	HA-27	Total/NA	Solid	Total BTEX	
890-8287-11	HA-28	Total/NA	Solid	Total BTEX	
890-8287-12	HA-28	Total/NA	Solid	Total BTEX	
890-8287-13	HA-29	Total/NA	Solid	Total BTEX	
890-8287-14	HA-29	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

GC VOA (Continued)

Analysis Batch: 112535 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-15	HA-30	Total/NA	Solid	Total BTEX	
890-8287-16	HA-30	Total/NA	Solid	Total BTEX	
890-8287-17	HA-31	Total/NA	Solid	Total BTEX	
890-8287-18	HA-31	Total/NA	Solid	Total BTEX	
890-8287-19	HA-31	Total/NA	Solid	Total BTEX	
890-8287-20	HA-32	Total/NA	Solid	Total BTEX	
890-8287-21	HA-32	Total/NA	Solid	Total BTEX	
890-8287-22	HA-32	Total/NA	Solid	Total BTEX	
890-8287-23	HA-33	Total/NA	Solid	Total BTEX	
890-8287-24	HA-33	Total/NA	Solid	Total BTEX	
890-8287-25	HA-33	Total/NA	Solid	Total BTEX	
890-8287-26	HA-34	Total/NA	Solid	Total BTEX	
890-8287-27	HA-34	Total/NA	Solid	Total BTEX	
890-8287-28	HA-34	Total/NA	Solid	Total BTEX	
890-8287-29	HA-35	Total/NA	Solid	Total BTEX	
890-8287-30	HA-35	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 112287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-1	HA-23	Total/NA	Solid	8015NM Prep	
890-8287-2	HA-23	Total/NA	Solid	8015NM Prep	
890-8287-3	HA-24	Total/NA	Solid	8015NM Prep	
890-8287-4	HA-24	Total/NA	Solid	8015NM Prep	
890-8287-5	HA-25	Total/NA	Solid	8015NM Prep	
890-8287-6	HA-25	Total/NA	Solid	8015NM Prep	
890-8287-7	HA-26	Total/NA	Solid	8015NM Prep	
890-8287-8	HA-26	Total/NA	Solid	8015NM Prep	
890-8287-9	HA-27	Total/NA	Solid	8015NM Prep	
890-8287-10	HA-27	Total/NA	Solid	8015NM Prep	
890-8287-11	HA-28	Total/NA	Solid	8015NM Prep	
MB 880-112287/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112287/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112287/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 112288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-12	HA-28	Total/NA	Solid	8015NM Prep	
890-8287-13	HA-29	Total/NA	Solid	8015NM Prep	
890-8287-14	HA-29	Total/NA	Solid	8015NM Prep	
890-8287-15	HA-30	Total/NA	Solid	8015NM Prep	
890-8287-16	HA-30	Total/NA	Solid	8015NM Prep	
890-8287-17	HA-31	Total/NA	Solid	8015NM Prep	
890-8287-18	HA-31	Total/NA	Solid	8015NM Prep	
890-8287-19	HA-31	Total/NA	Solid	8015NM Prep	
890-8287-20	HA-32	Total/NA	Solid	8015NM Prep	
890-8287-21	HA-32	Total/NA	Solid	8015NM Prep	
890-8287-22	HA-32	Total/NA	Solid	8015NM Prep	
890-8287-23	HA-33	Total/NA	Solid	8015NM Prep	
890-8287-24	HA-33	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

GC Semi VOA (Continued)

Prep Batch: 112288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-25	HA-33	Total/NA	Solid	8015NM Prep	
890-8287-26	HA-34	Total/NA	Solid	8015NM Prep	
890-8287-27	HA-34	Total/NA	Solid	8015NM Prep	
890-8287-28	HA-34	Total/NA	Solid	8015NM Prep	
890-8287-29	HA-35	Total/NA	Solid	8015NM Prep	
890-8287-30	HA-35	Total/NA	Solid	8015NM Prep	
MB 880-112288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8287-12 MS	HA-28	Total/NA	Solid	8015NM Prep	
890-8287-12 MSD	HA-28	Total/NA	Solid	8015NM Prep	

Analysis Batch: 112402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-1	HA-23	Total/NA	Solid	8015B NM	112287
890-8287-2	HA-23	Total/NA	Solid	8015B NM	112287
890-8287-3	HA-24	Total/NA	Solid	8015B NM	112287
890-8287-4	HA-24	Total/NA	Solid	8015B NM	112287
890-8287-5	HA-25	Total/NA	Solid	8015B NM	112287
890-8287-6	HA-25	Total/NA	Solid	8015B NM	112287
890-8287-7	HA-26	Total/NA	Solid	8015B NM	112287
890-8287-8	HA-26	Total/NA	Solid	8015B NM	112287
890-8287-9	HA-27	Total/NA	Solid	8015B NM	112287
890-8287-10	HA-27	Total/NA	Solid	8015B NM	112287
890-8287-11	HA-28	Total/NA	Solid	8015B NM	112287
MB 880-112287/1-A	Method Blank	Total/NA	Solid	8015B NM	112287
LCS 880-112287/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112287
LCSD 880-112287/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112287

Analysis Batch: 112404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-12	HA-28	Total/NA	Solid	8015B NM	112288
890-8287-13	HA-29	Total/NA	Solid	8015B NM	112288
890-8287-14	HA-29	Total/NA	Solid	8015B NM	112288
890-8287-15	HA-30	Total/NA	Solid	8015B NM	112288
890-8287-16	HA-30	Total/NA	Solid	8015B NM	112288
890-8287-17	HA-31	Total/NA	Solid	8015B NM	112288
890-8287-18	HA-31	Total/NA	Solid	8015B NM	112288
890-8287-19	HA-31	Total/NA	Solid	8015B NM	112288
890-8287-20	HA-32	Total/NA	Solid	8015B NM	112288
890-8287-21	HA-32	Total/NA	Solid	8015B NM	112288
890-8287-22	HA-32	Total/NA	Solid	8015B NM	112288
890-8287-23	HA-33	Total/NA	Solid	8015B NM	112288
890-8287-24	HA-33	Total/NA	Solid	8015B NM	112288
890-8287-25	HA-33	Total/NA	Solid	8015B NM	112288
890-8287-26	HA-34	Total/NA	Solid	8015B NM	112288
890-8287-27	HA-34	Total/NA	Solid	8015B NM	112288
890-8287-28	HA-34	Total/NA	Solid	8015B NM	112288
890-8287-29	HA-35	Total/NA	Solid	8015B NM	112288
890-8287-30	HA-35	Total/NA	Solid	8015B NM	112288
MB 880-112288/1-A	Method Blank	Total/NA	Solid	8015B NM	112288

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

GC Semi VOA (Continued)

Analysis Batch: 112404 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-112288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112288
LCSD 880-112288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112288
890-8287-12 MS	HA-28	Total/NA	Solid	8015B NM	112288
890-8287-12 MSD	HA-28	Total/NA	Solid	8015B NM	112288

Analysis Batch: 112500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-1	HA-23	Total/NA	Solid	8015 NM	
890-8287-2	HA-23	Total/NA	Solid	8015 NM	
890-8287-3	HA-24	Total/NA	Solid	8015 NM	
890-8287-4	HA-24	Total/NA	Solid	8015 NM	
890-8287-5	HA-25	Total/NA	Solid	8015 NM	
890-8287-6	HA-25	Total/NA	Solid	8015 NM	
890-8287-7	HA-26	Total/NA	Solid	8015 NM	
890-8287-8	HA-26	Total/NA	Solid	8015 NM	
890-8287-9	HA-27	Total/NA	Solid	8015 NM	
890-8287-10	HA-27	Total/NA	Solid	8015 NM	
890-8287-11	HA-28	Total/NA	Solid	8015 NM	
890-8287-12	HA-28	Total/NA	Solid	8015 NM	
890-8287-13	HA-29	Total/NA	Solid	8015 NM	
890-8287-14	HA-29	Total/NA	Solid	8015 NM	
890-8287-15	HA-30	Total/NA	Solid	8015 NM	
890-8287-16	HA-30	Total/NA	Solid	8015 NM	
890-8287-17	HA-31	Total/NA	Solid	8015 NM	
890-8287-18	HA-31	Total/NA	Solid	8015 NM	
890-8287-19	HA-31	Total/NA	Solid	8015 NM	
890-8287-20	HA-32	Total/NA	Solid	8015 NM	
890-8287-21	HA-32	Total/NA	Solid	8015 NM	
890-8287-22	HA-32	Total/NA	Solid	8015 NM	
890-8287-23	HA-33	Total/NA	Solid	8015 NM	
890-8287-24	HA-33	Total/NA	Solid	8015 NM	
890-8287-25	HA-33	Total/NA	Solid	8015 NM	
890-8287-26	HA-34	Total/NA	Solid	8015 NM	
890-8287-27	HA-34	Total/NA	Solid	8015 NM	
890-8287-28	HA-34	Total/NA	Solid	8015 NM	
890-8287-29	HA-35	Total/NA	Solid	8015 NM	
890-8287-30	HA-35	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 112261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-1	HA-23	Soluble	Solid	DI Leach	
890-8287-2	HA-23	Soluble	Solid	DI Leach	
890-8287-3	HA-24	Soluble	Solid	DI Leach	
890-8287-4	HA-24	Soluble	Solid	DI Leach	
890-8287-5	HA-25	Soluble	Solid	DI Leach	
890-8287-6	HA-25	Soluble	Solid	DI Leach	
890-8287-7	HA-26	Soluble	Solid	DI Leach	
MB 880-112261/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112261/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

HPLC/IC (Continued)

Leach Batch: 112261 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-112261/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 112262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-8	HA-26	Soluble	Solid	DI Leach	
890-8287-9	HA-27	Soluble	Solid	DI Leach	
890-8287-10	HA-27	Soluble	Solid	DI Leach	
890-8287-11	HA-28	Soluble	Solid	DI Leach	
890-8287-12	HA-28	Soluble	Solid	DI Leach	
890-8287-13	HA-29	Soluble	Solid	DI Leach	
890-8287-14	HA-29	Soluble	Solid	DI Leach	
890-8287-15	HA-30	Soluble	Solid	DI Leach	
890-8287-16	HA-30	Soluble	Solid	DI Leach	
890-8287-17	HA-31	Soluble	Solid	DI Leach	
890-8287-18	HA-31	Soluble	Solid	DI Leach	
890-8287-19	HA-31	Soluble	Solid	DI Leach	
890-8287-20	HA-32	Soluble	Solid	DI Leach	
890-8287-21	HA-32	Soluble	Solid	DI Leach	
890-8287-22	HA-32	Soluble	Solid	DI Leach	
890-8287-23	HA-33	Soluble	Solid	DI Leach	
890-8287-24	HA-33	Soluble	Solid	DI Leach	
890-8287-25	HA-33	Soluble	Solid	DI Leach	
890-8287-26	HA-34	Soluble	Solid	DI Leach	
890-8287-27	HA-34	Soluble	Solid	DI Leach	
MB 880-112262/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112262/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112262/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8287-8 MS	HA-26	Soluble	Solid	DI Leach	
890-8287-8 MSD	HA-26	Soluble	Solid	DI Leach	
890-8287-18 MS	HA-31	Soluble	Solid	DI Leach	
890-8287-18 MSD	HA-31	Soluble	Solid	DI Leach	

Leach Batch: 112292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-28	HA-34	Soluble	Solid	DI Leach	
890-8287-29	HA-35	Soluble	Solid	DI Leach	
890-8287-30	HA-35	Soluble	Solid	DI Leach	
MB 880-112292/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112292/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112292/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 112317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-8	HA-26	Soluble	Solid	300.0	112262
890-8287-9	HA-27	Soluble	Solid	300.0	112262
890-8287-10	HA-27	Soluble	Solid	300.0	112262
890-8287-11	HA-28	Soluble	Solid	300.0	112262
890-8287-12	HA-28	Soluble	Solid	300.0	112262
890-8287-13	HA-29	Soluble	Solid	300.0	112262
890-8287-14	HA-29	Soluble	Solid	300.0	112262
890-8287-15	HA-30	Soluble	Solid	300.0	112262

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

HPLC/IC (Continued)

Analysis Batch: 112317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-16	HA-30	Soluble	Solid	300.0	112262
890-8287-17	HA-31	Soluble	Solid	300.0	112262
890-8287-18	HA-31	Soluble	Solid	300.0	112262
890-8287-19	HA-31	Soluble	Solid	300.0	112262
890-8287-20	HA-32	Soluble	Solid	300.0	112262
890-8287-21	HA-32	Soluble	Solid	300.0	112262
890-8287-22	HA-32	Soluble	Solid	300.0	112262
890-8287-23	HA-33	Soluble	Solid	300.0	112262
890-8287-24	HA-33	Soluble	Solid	300.0	112262
890-8287-25	HA-33	Soluble	Solid	300.0	112262
890-8287-26	HA-34	Soluble	Solid	300.0	112262
890-8287-27	HA-34	Soluble	Solid	300.0	112262
MB 880-112262/1-A	Method Blank	Soluble	Solid	300.0	112262
LCS 880-112262/2-A	Lab Control Sample	Soluble	Solid	300.0	112262
LCSD 880-112262/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112262
890-8287-8 MS	HA-26	Soluble	Solid	300.0	112262
890-8287-8 MSD	HA-26	Soluble	Solid	300.0	112262
890-8287-18 MS	HA-31	Soluble	Solid	300.0	112262
890-8287-18 MSD	HA-31	Soluble	Solid	300.0	112262

Analysis Batch: 112318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-1	HA-23	Soluble	Solid	300.0	112261
890-8287-2	HA-23	Soluble	Solid	300.0	112261
890-8287-3	HA-24	Soluble	Solid	300.0	112261
890-8287-4	HA-24	Soluble	Solid	300.0	112261
890-8287-5	HA-25	Soluble	Solid	300.0	112261
890-8287-6	HA-25	Soluble	Solid	300.0	112261
890-8287-7	HA-26	Soluble	Solid	300.0	112261
MB 880-112261/1-A	Method Blank	Soluble	Solid	300.0	112261
LCS 880-112261/2-A	Lab Control Sample	Soluble	Solid	300.0	112261
LCSD 880-112261/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112261

Analysis Batch: 112338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8287-28	HA-34	Soluble	Solid	300.0	112292
890-8287-29	HA-35	Soluble	Solid	300.0	112292
890-8287-30	HA-35	Soluble	Solid	300.0	112292
MB 880-112292/1-A	Method Blank	Soluble	Solid	300.0	112292
LCS 880-112292/2-A	Lab Control Sample	Soluble	Solid	300.0	112292
LCSD 880-112292/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112292

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-23
Date Collected: 06/12/25 11:00
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-1
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			4.99 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 05:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 05:22	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112261	06/14/25 14:38	SMC	EET MID
Soluble	Analysis	300.0		1			112318	06/17/25 00:16	CH	EET MID

Client Sample ID: HA-23
Date Collected: 06/12/25 11:05
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-2
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	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 12:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 12:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 05:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 05:54	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112261	06/14/25 14:38	SMC	EET MID
Soluble	Analysis	300.0		1			112318	06/17/25 00:23	CH	EET MID

Client Sample ID: HA-24
Date Collected: 06/12/25 11:10
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-3
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			5.02 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 13:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 13:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 06:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 06:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112261	06/14/25 14:38	SMC	EET MID
Soluble	Analysis	300.0		1			112318	06/17/25 00:30	CH	EET MID

Client Sample ID: HA-24
Date Collected: 06/12/25 11:15
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-4
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	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 13:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 13:20	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-24
Date Collected: 06/12/25 11:15
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-4
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			112500	06/18/25 06:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 06:28	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112261	06/14/25 14:38	SMC	EET MID
Soluble	Analysis	300.0		1			112318	06/17/25 00:37	CH	EET MID

Client Sample ID: HA-25
Date Collected: 06/12/25 11:20
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-5
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			5.03 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 13:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 06:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 06:43	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112261	06/14/25 14:38	SMC	EET MID
Soluble	Analysis	300.0		1			112318	06/17/25 00:44	CH	EET MID

Client Sample ID: HA-25
Date Collected: 06/12/25 11:25
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-6
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			4.95 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 14:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 07:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 07:01	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112261	06/14/25 14:38	SMC	EET MID
Soluble	Analysis	300.0		1			112318	06/17/25 00:52	CH	EET MID

Client Sample ID: HA-26
Date Collected: 06/12/25 11:30
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-7
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			4.96 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 14:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 14:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 07:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 07:17	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-26
Date Collected: 06/12/25 11:30
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-7
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			5.05 g	50 mL	112261	06/14/25 14:38	SMC	EET MID
Soluble	Analysis	300.0		1			112318	06/17/25 00:59	CH	EET MID

Client Sample ID: HA-26
Date Collected: 06/12/25 11:35
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-8
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			4.99 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 14:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 07:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 07:34	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 19:35	SMC	EET MID

Client Sample ID: HA-27
Date Collected: 06/12/25 11:40
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-9
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			4.96 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 15:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 15:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 07:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 07:50	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 19:47	SMC	EET MID

Client Sample ID: HA-27
Date Collected: 06/12/25 11:45
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-10
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			4.96 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 15:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 15:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 08:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 08:07	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 19:51	SMC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-28
Date Collected: 06/12/25 11:50
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-11
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	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 17:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 17:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 08:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112287	06/16/25 09:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112402	06/18/25 08:23	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 19:55	SMC	EET MID

Client Sample ID: HA-28
Date Collected: 06/12/25 11:55
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-12
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			5.02 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 17:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 02:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 02:22	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 19:59	SMC	EET MID

Client Sample ID: HA-29
Date Collected: 06/12/25 12:00
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 17:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 03:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 03:12	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:11	SMC	EET MID

Client Sample ID: HA-29
Date Collected: 06/12/25 12:05
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-14
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			5.01 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 18:15	SM	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-29

Date Collected: 06/12/25 12:05
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-14
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			112500	06/18/25 03:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 03:28	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:15	SMC	EET MID

Client Sample ID: HA-30

Date Collected: 06/12/25 12:10
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-15
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	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 18:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 03:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 03:44	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:19	SMC	EET MID

Client Sample ID: HA-30

Date Collected: 06/12/25 12:15
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-16
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	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 18:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 04:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 04:02	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:23	SMC	EET MID

Client Sample ID: HA-31

Date Collected: 06/12/25 12:20
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-17
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			5.03 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 19:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 04:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 04:18	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-31
Date Collected: 06/12/25 12:20
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-17
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			5.02 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:26	SMC	EET MID

Client Sample ID: HA-31
Date Collected: 06/12/25 12:25
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 19:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 04:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 04:34	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:30	SMC	EET MID

Client Sample ID: HA-31
Date Collected: 06/12/25 12:30
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 19:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 04:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 04:50	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:42	SMC	EET MID

Client Sample ID: HA-32
Date Collected: 06/12/25 12:35
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	112275	06/16/25 08:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112063	06/16/25 20:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 20:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 05:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 05:06	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:46	SMC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-32
Date Collected: 06/12/25 12:40
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-21
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			5.02 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 16:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 05:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 05:22	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 20:58	SMC	EET MID

Client Sample ID: HA-32
Date Collected: 06/12/25 12:45
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-22
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			5.02 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 16:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 16:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 05:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 05:54	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 21:02	SMC	EET MID

Client Sample ID: HA-33
Date Collected: 06/12/25 12:50
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-23
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			5.03 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 17:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 06:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 06:10	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 21:06	SMC	EET MID

Client Sample ID: HA-33
Date Collected: 06/12/25 12:25
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-24
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	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 17:34	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Client Sample ID: HA-33
Date Collected: 06/12/25 12:25
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-24
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			112500	06/18/25 06:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 06:28	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 21:10	SMC	EET MID

Client Sample ID: HA-33
Date Collected: 06/12/25 13:00
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 17:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 06:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 06:43	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 21:14	SMC	EET MID

Client Sample ID: HA-34
Date Collected: 06/12/25 13:05
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-26
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			5.02 g	5 mL	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 18:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 07:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 07:01	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 21:18	SMC	EET MID

Client Sample ID: HA-34
Date Collected: 06/12/25 13:10
Date Received: 06/13/25 08:47

Lab Sample ID: 890-8287-27
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	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 18:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 07:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 07:17	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8287-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County,NM

Client Sample ID: HA-34
Lab Sample ID: 890-8287-27
Date Collected: 06/12/25 13:10
Matrix: Solid
Date Received: 06/13/25 08:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	112262	06/14/25 14:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	112317	06/16/25 21:22	SMC	EET MID

Client Sample ID: HA-34
Lab Sample ID: 890-8287-28
Date Collected: 06/12/25 13:15
Matrix: Solid
Date Received: 06/13/25 08:47

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	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 18:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 07:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 07:34	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112292	06/16/25 09:46	SMC	EET MID
Soluble	Analysis	300.0		1			112338	06/17/25 04:56	CH	EET MID

Client Sample ID: HA-35
Lab Sample ID: 890-8287-29
Date Collected: 06/12/25 13:20
Matrix: Solid
Date Received: 06/13/25 08:47

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	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 07:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 07:50	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112292	06/16/25 09:46	SMC	EET MID
Soluble	Analysis	300.0		1			112338	06/17/25 05:03	CH	EET MID

Client Sample ID: HA-35
Lab Sample ID: 890-8287-30
Date Collected: 06/12/25 13:25
Matrix: Solid
Date Received: 06/13/25 08:47

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	112271	06/16/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112159	06/16/25 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112535	06/16/25 19:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			112500	06/18/25 08:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112288	06/16/25 09:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112404	06/18/25 08:07	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112292	06/16/25 09:46	SMC	EET MID
Soluble	Analysis	300.0		1			112338	06/17/25 05:11	CH	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy 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: 890-8287-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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	06-30-25

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: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8287-1
SDG: Eddy County,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8287-1	HA-23	Solid	06/12/25 11:00	06/13/25 08:47	0.5
890-8287-2	HA-23	Solid	06/12/25 11:05	06/13/25 08:47	4
890-8287-3	HA-24	Solid	06/12/25 11:10	06/13/25 08:47	0.5
890-8287-4	HA-24	Solid	06/12/25 11:15	06/13/25 08:47	4
890-8287-5	HA-25	Solid	06/12/25 11:20	06/13/25 08:47	0.5
890-8287-6	HA-25	Solid	06/12/25 11:25	06/13/25 08:47	4
890-8287-7	HA-26	Solid	06/12/25 11:30	06/13/25 08:47	0.5
890-8287-8	HA-26	Solid	06/12/25 11:35	06/13/25 08:47	4
890-8287-9	HA-27	Solid	06/12/25 11:40	06/13/25 08:47	0.5
890-8287-10	HA-27	Solid	06/12/25 11:45	06/13/25 08:47	4
890-8287-11	HA-28	Solid	06/12/25 11:50	06/13/25 08:47	0.5
890-8287-12	HA-28	Solid	06/12/25 11:55	06/13/25 08:47	4
890-8287-13	HA-29	Solid	06/12/25 12:00	06/13/25 08:47	0.5
890-8287-14	HA-29	Solid	06/12/25 12:05	06/13/25 08:47	4
890-8287-15	HA-30	Solid	06/12/25 12:10	06/13/25 08:47	0.5
890-8287-16	HA-30	Solid	06/12/25 12:15	06/13/25 08:47	4
890-8287-17	HA-31	Solid	06/12/25 12:20	06/13/25 08:47	0.5
890-8287-18	HA-31	Solid	06/12/25 12:25	06/13/25 08:47	4
890-8287-19	HA-31	Solid	06/12/25 12:30	06/13/25 08:47	6
890-8287-20	HA-32	Solid	06/12/25 12:35	06/13/25 08:47	0.5
890-8287-21	HA-32	Solid	06/12/25 12:40	06/13/25 08:47	4
890-8287-22	HA-32	Solid	06/12/25 12:45	06/13/25 08:47	6
890-8287-23	HA-33	Solid	06/12/25 12:50	06/13/25 08:47	0.5
890-8287-24	HA-33	Solid	06/12/25 12:25	06/13/25 08:47	4
890-8287-25	HA-33	Solid	06/12/25 13:00	06/13/25 08:47	6
890-8287-26	HA-34	Solid	06/12/25 13:05	06/13/25 08:47	0.5
890-8287-27	HA-34	Solid	06/12/25 13:10	06/13/25 08:47	4
890-8287-28	HA-34	Solid	06/12/25 13:15	06/13/25 08:47	6
890-8287-29	HA-35	Solid	06/12/25 13:20	06/13/25 08:47	0.5
890-8287-30	HA-35	Solid	06/12/25 13:25	06/13/25 08:47	4

Released to Imaging: 1/26/2026 3:27:17 PM
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Chain of Custody

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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

890-8287 Chain of Custody

www.xenco.com Page 1 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TMaco7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-7.0
Total Containers:		Corrected Temperature:	-6.4

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
HA-23	S	6.12.25	11:00	0.5	Grab/	1		X	X	X			Incident Number
HA-23	S	6.12.25	11:05	4	Grab/	1		X	X	X			nAPP2513556445
HA-24	S	6.12.25	11:10	0.5	Grab/	1		X	X	X			
HA-24	S	6.12.25	11:15	4	Grab/	1		X	X	X			
HA-25	S	6.12.25	11:20	0.5	Grab/	1		X	X	X			
HA-25	S	6.12.25	11:25	4	Grab/	1		X	X	X			
HA-26	S	6.12.25	11:30	0.5	Grab/	1		X	X	X			
HA-26	S	6.12.25	11:35	4	Grab/	1		X	X	X			
HA-27	S	6.12.25	11:40	0.5	Grab/	1		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			8:47 6/18	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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
HA-27	S	6.12.25	11:45	4	Grab/	1		X	X	X		
HA-28	S	6.12.25	11:50	0.5	Grab/	1		X	X	X		
HA-28	S	6.12.25	11:55	4	Grab/	1		X	X	X		
HA-29	S	6.12.25	12:00	0.5	Grab/	1		X	X	X		
HA-29	S	6.12.25	12:05	4	Grab/	1		X	X	X		
HA-30	S	6.12.25	12:10	0.5	Grab/	1		X	X	X		
HA-30	S	6.12.25	12:15	4	Grab/	1		X	X	X		
HA-31	S	6.12.25	12:20	0.5	Grab/	1		X	X	X		
HA-31	S	6.12.25	12:25	4	Grab/	1		X	X	X		

Sample Comments

Incident Number
nAPP2513556445

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.

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0		8:47 6/13	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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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 3 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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
HA-31	S	6.12.25	12:30	6	Grab/	1		X	X	X			Incident Number
HA-32	S	6.12.25	12:35	0.5	Grab/	1		X	X	X			nAPP2513556445
HA-32	S	6.12.25	12:40	4	Grab/	1		X	X	X			
HA-32	S	6.12.25	12:45	6	Grab/	1		X	X	X			
HA-33	S	6.12.25	12:50	0.5	Grab/	1		X	X	X			
HA-33	S	6.12.25	12:55	4	Grab/	1		X	X	X			
HA-33	S	6.12.25	13:00	6	Grab/	1		X	X	X			
HA-34	S	6.12.25	13:05	0.5	Grab/	1		X	X	X			
HA-34	S	6.12.25	13:10	4	Grab/	1		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		8:47 6/18			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

Chain of Custody

eurofins | Environment Testing Xenco

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

Work Order No: _____

www.xenco.com Page 4 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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	Parameters: TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-34	S	6.12.25	13:15	6	Grab/	1		X	X	X			Incident Number
HA-35	S	6.12.25	13:20	0.5	Grab/	1		X	X	X			nAPP2513556445
HA-35	S	6.12.25	13:25	4	Grab/	1		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		8:47 6/17	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 373 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5275.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8287-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/19/2025			
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: Ross draw unit 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-23 (890-8287-1)	6/12/25	11:00 Central	G	Solid			X	X	X	X	X	1	
HA-23 (890-8287-2)	6/12/25	11:05 Central	G	Solid			X	X	X	X	X	1	
HA-24 (890-8287-3)	6/12/25	11:10 Central	G	Solid			X	X	X	X	X	1	
HA-24 (890-8287-4)	6/12/25	11:15 Central	G	Solid			X	X	X	X	X	1	
HA-25 (890-8287-5)	6/12/25	11:20 Central	G	Solid			X	X	X	X	X	1	
HA-25 (890-8287-6)	6/12/25	11:25 Central	G	Solid			X	X	X	X	X	1	
HA-26 (890-8287-7)	6/12/25	11:30 Central	G	Solid			X	X	X	X	X	1	
HA-26 (890-8287-8)	6/12/25	11:35 Central	G	Solid			X	X	X	X	X	1	
HA-27 (890-8287-9)	6/12/25	11:40 Central	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
	6/13 1630				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Page 374 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5275.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8287-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/19/2025			Preservation Codes: -
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: Ross draw unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-27 (890-8287-10)	6/12/25	11:45 Central	G	Solid			X	X	X	X	X	1	
HA-28 (890-8287-11)	6/12/25	11:50 Central	G	Solid			X	X	X	X	X	1	
HA-28 (890-8287-12)	6/12/25	11:55 Central	G	Solid			X	X	X	X	X	1	
HA-29 (890-8287-13)	6/12/25	12:00 Central	G	Solid			X	X	X	X	X	1	
HA-29 (890-8287-14)	6/12/25	12:05 Central	G	Solid			X	X	X	X	X	1	
HA-30 (890-8287-15)	6/12/25	12:10 Central	G	Solid			X	X	X	X	X	1	
HA-30 (890-8287-16)	6/12/25	12:15 Central	G	Solid			X	X	X	X	X	1	
HA-31 (890-8287-17)	6/12/25	12:20 Central	G	Solid			X	X	X	X	X	1	
HA-31 (890-8287-18)	6/12/25	12:25 Central	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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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: 6/13 1630	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM
Page 64 of 68
6/18/2025
Released to Imaging: 1/26/2026 3:27:17 PM

Page 375 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5275.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 3 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8287-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/19/2025			Preservation Codes: -
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: Ross draw unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-31 (890-8287-19)	6/12/25	12:30 Central	G	Solid			X	X	X	X	X	1	
HA-32 (890-8287-20)	6/12/25	12:35 Central	G	Solid			X	X	X	X	X	1	
HA-32 (890-8287-21)	6/12/25	12:40 Central	G	Solid			X	X	X	X	X	1	
HA-32 (890-8287-22)	6/12/25	12:45 Central	G	Solid			X	X	X	X	X	1	
HA-33 (890-8287-23)	6/12/25	12:50 Central	G	Solid			X	X	X	X	X	1	
HA-33 (890-8287-24)	6/12/25	12:25 Central	G	Solid			X	X	X	X	X	1	
HA-33 (890-8287-25)	6/12/25	13:00 Central	G	Solid			X	X	X	X	X	1	
HA-34 (890-8287-26)	6/12/25	13:05 Central	G	Solid			X	X	X	X	X	1	
HA-34 (890-8287-27)	6/12/25	13:10 Central	G	Solid			X	X	X	X	X	1	

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Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:	6/13 1630				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM
Page 65 of 68
6/18/2025
Released to Imaging: 1/26/2026 3:27:17 PM

Page 376 of 808

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5275.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 4 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8287-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 6/19/2025			
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: Ross draw unit 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-34 (890-8287-28)	6/12/25	13:15 Central	G	Solid			X	X	X	X	X	1	
HA-35 (890-8287-29)	6/12/25	13:20 Central	G	Solid			X	X	X	X	X	1	
HA-35 (890-8287-30)	6/12/25	13:25 Central	G	Solid			X	X	X	X	X	1	

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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
1		6/13 1630				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

6/18/2025

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8287-1
SDG Number: Eddy County,NM

Login Number: 8287
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: 890-8287-1
SDG Number: Eddy County,NM

Login Number: 8287
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 06/16/25 08:33 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 9/30/2025 1:14:48 PM Revision 1

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8849-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 11/20/2025 3:27:17 PM

my EOL

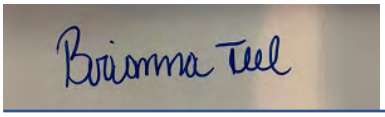
Eurofins Carlsbad

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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Revision 1

Authorized for release by
Brianna Teel, Project Manager
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(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Laboratory Job ID: 890-8849-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 27
QC Sample Results 29
QC Association Summary 36
Lab Chronicle 42
Certification Summary 50
Method Summary 51
Sample Summary 52
Chain of Custody 53
Receipt Checklists 56

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy 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.

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.
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: 890-8849-1
Project: Ross Draw Unit 43

Job ID: 890-8849-1 Eurofins Carlsbad

Job Narrative
890-8849-1

REVISION

The report being provided is a revision of the original report sent on 9/30/2025. The report (revision 1) is being revised due to Revised to correct sample IDs to B's.

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 9/23/2025 3:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1B (890-8849-1), CS - 2B (890-8849-2), CS - 3B (890-8849-3), CS - 4B (890-8849-4), CS - 5B (890-8849-5), CS - 6B (890-8849-6), CS - 7B (890-8849-7), CS - 8B (890-8849-8), CS - 9B (890-8849-9), CS - 10B (890-8849-10), CS - 11B (890-8849-11), CS - 12B (890-8849-12), CS - 13B (890-8849-13), CS - 14B (890-8849-14), CS - 15B (890-8849-15), CS - 16B (890-8849-16), CS - 17B (890-8849-17), CS - 18B (890-8849-18), CS - 19B (890-8849-19), CS - 20B (890-8849-20), CS - 21B (890-8849-21), CS - 22B (890-8849-22), CS - 23B (890-8849-23), CS - 24B (890-8849-24) and CS - 25B (890-8849-25).

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1B (890-8849-1), CS - 2B (890-8849-2), CS - 3B (890-8849-3), CS - 4B (890-8849-4), CS - 5B (890-8849-5), CS - 6B (890-8849-6), CS - 7B (890-8849-7), CS - 8B (890-8849-8), CS - 9B (890-8849-9), CS - 10B (890-8849-10), CS - 11B (890-8849-11), CS - 12B (890-8849-12), CS - 13B (890-8849-13), CS - 14B (890-8849-14), CS - 15B (890-8849-15), CS - 16B (890-8849-16), CS - 17B (890-8849-17), CS - 18B (890-8849-18), CS - 19B (890-8849-19), CS - 20B (890-8849-20), CS - 21B (890-8849-21), CS - 22B (890-8849-22), CS - 23B (890-8849-23), CS - 24B (890-8849-24) and CS - 25B (890-8849-25).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-119725/2). 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: CS - 1B (890-8849-1), CS - 4B (890-8849-4), CS - 5B (890-8849-5), CS - 6B (890-8849-6), CS - 7B (890-8849-7), CS - 8B (890-8849-8), CS - 9B (890-8849-9), CS - 11B (890-8849-11), CS - 12B (890-8849-12), CS - 13B (890-8849-13), CS - 14B (890-8849-14), CS - 15B (890-8849-15), CS - 16B (890-8849-16), CS - 17B (890-8849-17), CS - 18B (890-8849-18), CS - 19B (890-8849-19), CS - 20B (890-8849-20), (CCV 880-119724/2), (CCV 880-119724/20), (CCV 880-119724/33), (LCS 880-119712/1-A), (LCSD 880-119712/2-A), (890-8849-A-1-C MS) and (890-8849-A-1-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 880-119712 and analytical batch 880-119724 was outside the upper control 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 samples were outside control limits: (LCS 880-119976/2-A) and

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8849-1
Project: Ross Draw Unit 43

Job ID: 890-8849-1 (Continued) Eurofins Carlsbad

(LCSD 880-119976/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119666 and analytical batch 880-119802 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: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 1B

Date Collected: 09/23/25 11:45
Date Received: 09/23/25 15:31
Sample Depth: 6

Lab Sample ID: 890-8849-1

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		09/24/25 16:22	09/25/25 11:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 11:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 11:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/25 16:22	09/25/25 11:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 11:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 16:22	09/25/25 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 11:54*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/24/25 16:22*	*09/25/25 11:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/25/25 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/29/25 16:53	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	<49.7	U	49.7		mg/Kg		09/29/25 11:54	09/29/25 16:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/29/25 11:54	09/29/25 16:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/25 11:54	09/29/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/29/25 11:54*	*09/29/25 16:53*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/29/25 11:54*	*09/29/25 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		9.96		mg/Kg			09/25/25 14:48	1

Client Sample ID: CS - 2B

Date Collected: 09/23/25 11:50
Date Received: 09/23/25 15:31
Sample Depth: 2

Lab Sample ID: 890-8849-2

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		09/24/25 16:22	09/25/25 12:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 12:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 12:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 12:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 12:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*09/24/25 16:22*	*09/25/25 12:14*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 2B

Date Collected: 09/23/25 11:50
Date Received: 09/23/25 15:31
Sample Depth: 2

Lab Sample ID: 890-8849-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*09/24/25 16:22*	*09/25/25 12:14*	*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			09/25/25 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/29/25 17:07	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		09/29/25 11:54	09/29/25 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/29/25 11:54*	*09/29/25 17:07*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/29/25 11:54*	*09/29/25 17:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.1**		9.96		mg/Kg			09/25/25 14:53	1

Client Sample ID: CS - 3B

Date Collected: 09/23/25 11:55
Date Received: 09/23/25 15:31
Sample Depth: 2

Lab Sample ID: 890-8849-3
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		09/24/25 16:22	09/25/25 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 12:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/25 16:22	09/25/25 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 12:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 16:22	09/25/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*09/24/25 16:22*	*09/25/25 12:35*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/24/25 16:22*	*09/25/25 12:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/25/25 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/29/25 17:21	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 3B

Lab Sample ID: 890-8849-3
Matrix: Solid
Date Collected: 09/23/25 11:55
Date Received: 09/23/25 15:31
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		09/29/25 11:54	09/29/25 17:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 17:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/29/25 11:54*	*09/29/25 17:21*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/29/25 11:54*	*09/29/25 17:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		10.0		mg/Kg			09/25/25 14:58	1

Client Sample ID: CS - 4B

Lab Sample ID: 890-8849-4
Matrix: Solid
Date Collected: 09/23/25 12:00
Date Received: 09/23/25 15:31
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		09/24/25 16:22	09/25/25 12:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 12:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 12:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/25 16:22	09/25/25 12:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 12:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 16:22	09/25/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 12:55*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/24/25 16:22*	*09/25/25 12:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/25/25 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/29/25 17:35	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	<50.3	U	50.3		mg/Kg		09/29/25 11:54	09/29/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/29/25 11:54	09/29/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/29/25 11:54	09/29/25 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/29/25 11:54*	*09/29/25 17:35*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/29/25 11:54*	*09/29/25 17:35*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 4B

Date Collected: 09/23/25 12:00
Date Received: 09/23/25 15:31
Sample Depth: 2

Lab Sample ID: 890-8849-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		10.1		mg/Kg			09/25/25 15:03	1

Client Sample ID: CS - 5B

Date Collected: 09/23/25 12:05
Date Received: 09/23/25 15:31
Sample Depth: 2

Lab Sample ID: 890-8849-5
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		09/24/25 16:22	09/25/25 13:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 13:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 13:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/24/25 16:22	09/25/25 13:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 13:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/24/25 16:22	09/25/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*09/24/25 16:22*	*09/25/25 13:16*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/24/25 16:22*	*09/25/25 13:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/25/25 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/29/25 17:49	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	<50.1	U	50.1		mg/Kg		09/29/25 11:54	09/29/25 17:49	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/29/25 11:54	09/29/25 17:49	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/29/25 11:54	09/29/25 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/29/25 11:54*	*09/29/25 17:49*	*1*
o-Terphenyl	*95*		*70 - 130*	*09/29/25 11:54*	*09/29/25 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		10.1		mg/Kg			09/25/25 15:08	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 6B

Date Collected: 09/23/25 12:10
Date Received: 09/23/25 15:31
Sample Depth: 2

Lab Sample ID: 890-8849-6
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		09/24/25 16:22	09/25/25 13:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 13:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 13:36	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/24/25 16:22	09/25/25 13:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 13:36	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/24/25 16:22	09/25/25 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 13:36*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/24/25 16:22*	*09/25/25 13:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/25/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/29/25 18:04	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	<50.4	U	50.4		mg/Kg		09/29/25 11:54	09/29/25 18:04	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/29/25 11:54	09/29/25 18:04	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/29/25 11:54	09/29/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/29/25 11:54*	*09/29/25 18:04*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/29/25 11:54*	*09/29/25 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.0**	**F1**	9.96		mg/Kg			09/25/25 15:14	1

Client Sample ID: CS - 7B

Date Collected: 09/23/25 12:15
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-7
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		09/24/25 16:22	09/25/25 13:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 13:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 13:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/24/25 16:22	09/25/25 13:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 13:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/24/25 16:22	09/25/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 13:57*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 7B

Date Collected: 09/23/25 12:15
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*09/24/25 16:22*	*09/25/25 13:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/25/25 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/29/25 18:18	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	<50.5	U	50.5		mg/Kg		09/29/25 11:54	09/29/25 18:18	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/29/25 11:54	09/29/25 18:18	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/29/25 11:54	09/29/25 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/29/25 11:54*	*09/29/25 18:18*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/29/25 11:54*	*09/29/25 18:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.1**		9.98		mg/Kg			09/25/25 15:29	1

Client Sample ID: CS - 8B

Date Collected: 09/23/25 12:20
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-8
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		09/24/25 16:22	09/25/25 14:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 14:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 14:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 14:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 14:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 14:17*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/24/25 16:22*	*09/25/25 14:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/25/25 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/29/25 18:34	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 8B

Date Collected: 09/23/25 12:20
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-8
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		09/29/25 11:54	09/29/25 18:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/29/25 11:54	09/29/25 18:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/25 11:54	09/29/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/29/25 11:54*	*09/29/25 18:34*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/29/25 11:54*	*09/29/25 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.4**		9.92		mg/Kg			09/25/25 15:35	1

Client Sample ID: CS - 9B

Date Collected: 09/23/25 12:25
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-9
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		09/24/25 16:22	09/25/25 14:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 14:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 14:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/25 16:22	09/25/25 14:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 14:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 16:22	09/25/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 14:38*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/24/25 16:22*	*09/25/25 14:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/25/25 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/29/25 21:05	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	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/29/25 21:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/29/25 21:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/29/25 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/24/25 10:13*	*09/29/25 21:05*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/24/25 10:13*	*09/29/25 21:05*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 9B

Date Collected: 09/23/25 12:25
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		10.1		mg/Kg			09/25/25 15:50	1

Client Sample ID: CS - 10B

Date Collected: 09/23/25 12:30
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-10
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		09/24/25 16:22	09/25/25 14:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 14:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 14:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/24/25 16:22	09/25/25 14:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 14:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/25 16:22	09/25/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*09/24/25 16:22*	*09/25/25 14:58*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*09/24/25 16:22*	*09/25/25 14:58*	*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			09/25/25 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/29/25 21:49	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		09/24/25 10:13	09/29/25 21:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 21:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/24/25 10:13*	*09/29/25 21:49*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/24/25 10:13*	*09/29/25 21:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.1		9.94		mg/Kg			09/25/25 15:56	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 11B

Date Collected: 09/23/25 12:35
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-11

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		09/24/25 16:22	09/25/25 16:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 16:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 16:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 16:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 16:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 16:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/24/25 16:22*	*09/25/25 16:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/25/25 16:32	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			09/29/25 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	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/29/25 22:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/29/25 22:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/29/25 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/24/25 10:13*	*09/29/25 22:04*	*1*
o-Terphenyl	*95*		*70 - 130*	*09/24/25 10:13*	*09/29/25 22:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.4**		9.96		mg/Kg			09/25/25 16:01	1

Client Sample ID: CS - 12B

Date Collected: 09/23/25 12:40
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-12

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		09/24/25 16:22	09/25/25 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 16:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/25 16:22	09/25/25 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 16:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 16:22	09/25/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 16:53*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 12B

Lab Sample ID: 890-8849-12
Matrix: Solid
Date Collected: 09/23/25 12:40
Date Received: 09/23/25 15:31
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/24/25 16:22*	*09/25/25 16:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/25/25 16:53	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			09/29/25 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	<49.7	U	49.7		mg/Kg		09/24/25 10:13	09/29/25 22:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/24/25 10:13	09/29/25 22:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/24/25 10:13	09/29/25 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/24/25 10:13*	*09/29/25 22:19*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/24/25 10:13*	*09/29/25 22:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.4**		9.92		mg/Kg			09/25/25 16:06	1

Client Sample ID: CS - 13B

Lab Sample ID: 890-8849-13
Matrix: Solid
Date Collected: 09/23/25 12:45
Date Received: 09/23/25 15:31
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		09/24/25 16:22	09/25/25 17:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 17:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 17:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/25 16:22	09/25/25 17:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 16:22	09/25/25 17:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 16:22	09/25/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 17:13*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/24/25 16:22*	*09/25/25 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/25/25 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/29/25 22:34	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 13B

Lab Sample ID: 890-8849-13
Matrix: Solid
Date Collected: 09/23/25 12:45
Date Received: 09/23/25 15:31
Sample Depth: 6

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		09/24/25 10:13	09/29/25 22:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 22:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/24/25 10:13*	*09/29/25 22:34*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/24/25 10:13*	*09/29/25 22:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.0**		9.94		mg/Kg			09/25/25 16:11	1

Client Sample ID: CS - 14B

Lab Sample ID: 890-8849-14
Matrix: Solid
Date Collected: 09/23/25 12:50
Date Received: 09/23/25 15:31
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		09/24/25 16:22	09/25/25 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 17:34*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*09/24/25 16:22*	*09/25/25 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			09/25/25 17:34	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			09/29/25 22:50	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		09/24/25 10:13	09/29/25 22:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/29/25 22:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/29/25 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/24/25 10:13*	*09/29/25 22:50*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/24/25 10:13*	*09/29/25 22:50*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 14B

Lab Sample ID: 890-8849-14
Matrix: Solid
Date Collected: 09/23/25 12:50
Date Received: 09/23/25 15:31
Sample Depth: 6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		10.0		mg/Kg			09/25/25 16:17	1

Client Sample ID: CS - 15B

Lab Sample ID: 890-8849-15
Matrix: Solid
Date Collected: 09/23/25 12:55
Date Received: 09/23/25 15:31
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		09/24/25 16:22	09/25/25 17:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 17:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 17:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/24/25 16:22	09/25/25 17:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 17:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/25 16:22	09/25/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 17:54*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/24/25 16:22*	*09/25/25 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/25/25 17:54	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			09/29/25 23:04	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		09/24/25 10:13	09/29/25 23:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/29/25 23:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/29/25 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:04*	*1*
o-Terphenyl	*85*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		10.0		mg/Kg			09/25/25 16:22	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 16B

Date Collected: 09/23/25 13:00
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-16

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		09/24/25 16:22	09/25/25 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 18:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/25 16:22	09/25/25 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 18:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/25 16:22	09/25/25 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 18:15*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*09/24/25 16:22*	*09/25/25 18:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/25/25 18:15	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			09/29/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:20*	*1*
o-Terphenyl	*95*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.5**		9.96		mg/Kg			09/25/25 17:31	1

Client Sample ID: CS - 17B

Date Collected: 09/23/25 13:05
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-17

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		09/24/25 16:22	09/25/25 18:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 18:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 18:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/24/25 16:22	09/25/25 18:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 16:22	09/25/25 18:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/25 16:22	09/25/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 18:35*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 17B

Lab Sample ID: 890-8849-17
Matrix: Solid
Date Collected: 09/23/25 13:05
Date Received: 09/23/25 15:31
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/24/25 16:22*	*09/25/25 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/25/25 18:35	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			09/29/25 23:35	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		09/24/25 10:13	09/29/25 23:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/29/25 23:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/29/25 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:35*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.1**		9.98		mg/Kg			09/25/25 17:49	1

Client Sample ID: CS - 18B

Lab Sample ID: 890-8849-18
Matrix: Solid
Date Collected: 09/23/25 13:10
Date Received: 09/23/25 15:31
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		09/24/25 16:22	09/25/25 18:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 18:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 18:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/25 16:22	09/25/25 18:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 18:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 16:22	09/25/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 18:56*	*1*
1,4-Difluorobenzene (Surr)	*10*	*S1-*	*70 - 130*	*09/24/25 16:22*	*09/25/25 18:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/25/25 18:56	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			09/29/25 23:50	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 18B

Lab Sample ID: 890-8849-18
Matrix: Solid
Date Collected: 09/23/25 13:10
Date Received: 09/23/25 15:31
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		09/24/25 10:13	09/29/25 23:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:50*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.5**		9.94		mg/Kg			09/25/25 17:55	1

Client Sample ID: CS - 19B

Lab Sample ID: 890-8849-19
Matrix: Solid
Date Collected: 09/23/25 13:15
Date Received: 09/23/25 15:31
Sample Depth: 4

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		09/24/25 16:22	09/25/25 19:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 19:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 19:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/24/25 16:22	09/25/25 19:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 16:22	09/25/25 19:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/24/25 16:22	09/25/25 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 19:16*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/24/25 16:22*	*09/25/25 19:16*	*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			09/25/25 19:16	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			09/30/25 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 00:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 00:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*09/24/25 10:13*	*09/30/25 00:20*	*1*
o-Terphenyl	*85*		*70 - 130*	*09/24/25 10:13*	*09/30/25 00:20*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 19B
Date Collected: 09/23/25 13:15
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		9.90		mg/Kg			09/25/25 18:01	1

Client Sample ID: CS - 20B
Date Collected: 09/23/25 13:20
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-20
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		09/24/25 16:22	09/25/25 19:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 19:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 19:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 19:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 16:22	09/25/25 19:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 16:22	09/25/25 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 19:36*	*1*
1,4-Difluorobenzene (Surr)	*11*	*S1-*	*70 - 130*	*09/24/25 16:22*	*09/25/25 19:36*	*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			09/25/25 19:36	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			09/30/25 00:35	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		09/24/25 10:13	09/30/25 00:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 00:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/24/25 10:13*	*09/30/25 00:35*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/24/25 10:13*	*09/30/25 00:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		10.0		mg/Kg			09/25/25 18:06	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 21B

Date Collected: 09/23/25 13:25
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-21

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		09/25/25 09:15	09/25/25 11:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 11:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 11:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/25/25 09:15	09/25/25 11:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 11:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/25/25 09:15	09/25/25 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/25/25 09:15*	*09/25/25 11:54*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/25/25 09:15*	*09/25/25 11:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/25/25 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/30/25 00:49	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		09/24/25 10:13	09/30/25 00:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/30/25 00:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/30/25 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/24/25 10:13*	*09/30/25 00:49*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/24/25 10:13*	*09/30/25 00:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.5**		10.0		mg/Kg			09/25/25 18:24	1

Client Sample ID: CS - 22B

Date Collected: 09/23/25 13:30
Date Received: 09/23/25 15:31
Sample Depth: 4

Lab Sample ID: 890-8849-22

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		09/25/25 09:15	09/25/25 12:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 12:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 12:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/25 09:15	09/25/25 12:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 12:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/25 09:15	09/25/25 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/25/25 09:15*	*09/25/25 12:14*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 22B

Lab Sample ID: 890-8849-22
Matrix: Solid
Date Collected: 09/23/25 13:30
Date Received: 09/23/25 15:31
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*09/25/25 09:15*	*09/25/25 12:14*	*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			09/25/25 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/25 01:05	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	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 01:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 01:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/24/25 10:13*	*09/30/25 01:05*	*1*
o-Terphenyl	*91*		*70 - 130*	*09/24/25 10:13*	*09/30/25 01:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**		10.1		mg/Kg			09/25/25 18:30	1

Client Sample ID: CS - 23B

Lab Sample ID: 890-8849-23
Matrix: Solid
Date Collected: 09/23/25 13:35
Date Received: 09/23/25 15:31
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		09/25/25 09:15	09/25/25 12:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 12:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 12:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/25 09:15	09/25/25 12:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 12:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/25 09:15	09/25/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/25/25 09:15*	*09/25/25 12:35*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/25/25 09:15*	*09/25/25 12:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/25/25 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/25 01:19	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 23B

Lab Sample ID: 890-8849-23
Matrix: Solid
Date Collected: 09/23/25 13:35
Date Received: 09/23/25 15:31
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		09/24/25 10:13	09/30/25 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/24/25 10:13*	*09/30/25 01:19*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/24/25 10:13*	*09/30/25 01:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		9.96		mg/Kg			09/25/25 18:36	1

Client Sample ID: CS - 24B

Lab Sample ID: 890-8849-24
Matrix: Solid
Date Collected: 09/23/25 13:40
Date Received: 09/23/25 15:31
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		09/25/25 09:15	09/25/25 12:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 12:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 12:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/25/25 09:15	09/25/25 12:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 12:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/25/25 09:15	09/25/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/25/25 09:15*	*09/25/25 12:55*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/25/25 09:15*	*09/25/25 12:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/25/25 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/25 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	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 01:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 01:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*09/24/25 10:13*	*09/30/25 01:35*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/24/25 10:13*	*09/30/25 01:35*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 24B

Lab Sample ID: 890-8849-24
Matrix: Solid
Date Collected: 09/23/25 13:40
Date Received: 09/23/25 15:31
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		9.98		mg/Kg			09/25/25 18:42	1

Client Sample ID: CS - 25B

Lab Sample ID: 890-8849-25
Matrix: Solid
Date Collected: 09/23/25 13:45
Date Received: 09/23/25 15:31
Sample Depth: 4

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		09/25/25 09:15	09/25/25 13:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/25/25 09:15	09/25/25 13:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/25/25 09:15	09/25/25 13:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/25/25 09:15	09/25/25 13:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/25/25 09:15	09/25/25 13:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/25/25 09:15	09/25/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/25/25 09:15*	*09/25/25 13:16*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/25/25 09:15*	*09/25/25 13:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/25/25 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/25 01:49	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		09/24/25 10:13	09/30/25 01:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 01:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/24/25 10:13*	*09/30/25 01:49*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/24/25 10:13*	*09/30/25 01:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.3		9.96		mg/Kg			09/25/25 18:48	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy 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)
890-8849-1	CS - 1B	150 S1+	94
890-8849-1 MS	CS - 1B	139 S1+	94
890-8849-1 MSD	CS - 1B	136 S1+	90
890-8849-2	CS - 2B	128	114
890-8849-3	CS - 3B	130	109
890-8849-4	CS - 4B	139 S1+	99
890-8849-5	CS - 5B	130	107
890-8849-6	CS - 6B	132 S1+	101
890-8849-7	CS - 7B	142 S1+	83
890-8849-8	CS - 8B	137 S1+	82
890-8849-9	CS - 9B	131 S1+	106
890-8849-10	CS - 10B	125	88
890-8849-11	CS - 11B	159 S1+	93
890-8849-12	CS - 12B	131 S1+	104
890-8849-13	CS - 13B	135 S1+	109
890-8849-14	CS - 14B	136 S1+	108
890-8849-15	CS - 15B	133 S1+	109
890-8849-16	CS - 16B	134 S1+	85
890-8849-17	CS - 17B	131 S1+	105
890-8849-18	CS - 18B	160 S1+	10 S1-
890-8849-19	CS - 19B	145 S1+	106
890-8849-20	CS - 20B	139 S1+	11 S1-
890-8849-21	CS - 21B	122	89
890-8849-21 MS	CS - 21B	119	96
890-8849-21 MSD	CS - 21B	116	95
890-8849-22	CS - 22B	101	95
890-8849-23	CS - 23B	106	93
890-8849-24	CS - 24B	106	97
890-8849-25	CS - 25B	107	93
LCS 880-119712/1-A	Lab Control Sample	143 S1+	83
LCS 880-119752/1-A	Lab Control Sample	105	101
LCSD 880-119712/2-A	Lab Control Sample Dup	145 S1+	87
LCSD 880-119752/2-A	Lab Control Sample Dup	111	98
MB 880-119712/5-A	Method Blank	145 S1+	87
MB 880-119752/5-A	Method Blank	101	93

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)
890-8849-1	CS - 1B	78	91
890-8849-2	CS - 2B	82	96
890-8849-3	CS - 3B	93	108
890-8849-4	CS - 4B	82	97

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8849-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8849-5	CS - 5B	81	95
890-8849-6	CS - 6B	85	99
890-8849-7	CS - 7B	85	101
890-8849-8	CS - 8B	82	97
890-8849-9	CS - 9B	86	88
890-8849-9 MS	CS - 9B	101	94
890-8849-9 MSD	CS - 9B	85	94
890-8849-10	CS - 10B	88	90
890-8849-11	CS - 11B	92	95
890-8849-12	CS - 12B	90	93
890-8849-13	CS - 13B	89	92
890-8849-14	CS - 14B	92	94
890-8849-15	CS - 15B	84	85
890-8849-16	CS - 16B	93	95
890-8849-17	CS - 17B	85	87
890-8849-18	CS - 18B	84	86
890-8849-19	CS - 19B	83	85
890-8849-20	CS - 20B	87	90
890-8849-21	CS - 21B	85	87
890-8849-22	CS - 22B	88	91
890-8849-23	CS - 23B	88	89
890-8849-24	CS - 24B	83	86
890-8849-25	CS - 25B	88	89
LCS 880-119650/2-A	Lab Control Sample	104	100
LCS 880-119976/2-A	Lab Control Sample	124	142 S1+
LCSD 880-119650/3-A	Lab Control Sample Dup	105	98
LCSD 880-119976/3-A	Lab Control Sample Dup	123	141 S1+
MB 880-119650/1-A	Method Blank	86	90
MB 880-119976/1-A	Method Blank	78	98

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-119712/5-A
Matrix: Solid
Analysis Batch: 119724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/24/25 16:22	09/25/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 16:22	09/25/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/25 16:22	09/25/25 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*09/24/25 16:22*	*09/25/25 11:32*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/24/25 16:22*	*09/25/25 11:32*	*1*

Lab Sample ID: LCS 880-119712/1-A
Matrix: Solid
Analysis Batch: 119724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08618		mg/Kg		86	70 - 130
Toluene	0.100	0.1074		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1100		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2269		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1168		mg/Kg		117	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: LCSD 880-119712/2-A
Matrix: Solid
Analysis Batch: 119724

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09594		mg/Kg		96	70 - 130	11	35
Toluene	0.100	0.1117		mg/Kg		112	70 - 130	4	35
Ethylbenzene	0.100	0.1145		mg/Kg		115	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2344		mg/Kg		117	70 - 130	3	35
o-Xylene	0.100	0.1200		mg/Kg		120	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-8849-1 MS
Matrix: Solid
Analysis Batch: 119724

Client Sample ID: CS - 1B
Prep Type: Total/NA
Prep Batch: 119712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09998		mg/Kg		100	70 - 130
Toluene	<0.00201	U	0.100	0.1047		mg/Kg		105	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8849-1 MS
Matrix: Solid
Analysis Batch: 119724

Client Sample ID: CS - 1B
Prep Type: Total/NA
Prep Batch: 119712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1050		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2120		mg/Kg		106	70 - 130
o-Xylene	<0.00201	U	0.100	0.1073		mg/Kg		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-8849-1 MSD
Matrix: Solid
Analysis Batch: 119724

Client Sample ID: CS - 1B
Prep Type: Total/NA
Prep Batch: 119712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09614		mg/Kg		96	70 - 130	4	35
Toluene	<0.00201	U	0.100	0.1077		mg/Kg		108	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.1083		mg/Kg		108	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2184		mg/Kg		109	70 - 130	3	35
o-Xylene	<0.00201	U	0.100	0.1110		mg/Kg		111	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: MB 880-119752/5-A
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/25/25 09:15	09/25/25 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/25/25 09:15*	*09/25/25 11:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/25/25 09:15*	*09/25/25 11:32*	*1*

Lab Sample ID: LCS 880-119752/1-A
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09432		mg/Kg		94	70 - 130
Toluene	0.100	0.09214		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08873		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1930		mg/Kg		96	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-119752/1-A
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09318		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-119752/2-A
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119752

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09673		mg/Kg		97	70 - 130	3	35
Toluene			0.100	0.09450		mg/Kg		95	70 - 130	3	35
Ethylbenzene			0.100	0.09218		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2013		mg/Kg		101	70 - 130	4	35
o-Xylene			0.100	0.09813		mg/Kg		98	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-8849-21 MS
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: CS - 21B
Prep Type: Total/NA
Prep Batch: 119752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.08551		mg/Kg		86	70 - 130		
Toluene	<0.00201	U	0.100	0.08728		mg/Kg		87	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.08132		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1766		mg/Kg		88	70 - 130		
o-Xylene	<0.00201	U	0.100	0.08581		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-8849-21 MSD
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: CS - 21B
Prep Type: Total/NA
Prep Batch: 119752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08555		mg/Kg		86	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.08437		mg/Kg		84	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.07941		mg/Kg		79	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1734		mg/Kg		87	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.08377		mg/Kg		84	70 - 130	2	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8849-21 MSD
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: CS - 21B
Prep Type: Total/NA
Prep Batch: 119752

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-119650/1-A
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119650

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		09/24/25 10:13	09/29/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 20:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	09/24/25 10:13	09/29/25 20:05	1
o-Terphenyl	90		70 - 130	09/24/25 10:13	09/29/25 20:05	1

Lab Sample ID: LCS 880-119650/2-A
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119650

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	948.7		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	907.8		mg/Kg		91	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-119650/3-A
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119650

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	959.9		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	900.3		mg/Kg		90	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	98		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8849-9 MS
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: CS - 9B
Prep Type: Total/NA
Prep Batch: 119650

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	1000	826.5		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	790.3		mg/Kg		79	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 890-8849-9 MSD
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: CS - 9B
Prep Type: Total/NA
Prep Batch: 119650

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	1000	835.7		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	842.6		mg/Kg		84	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: MB 880-119976/1-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119976

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		09/29/25 11:54	09/29/25 11:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 11:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/29/25 11:54*	*09/29/25 11:39*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/29/25 11:54*	*09/29/25 11:39*	*1*

Lab Sample ID: LCS 880-119976/2-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	996.4		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1184		mg/Kg		118	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-119976/2-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119976

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*142*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-119976/3-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119976

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	998.1		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1161		mg/Kg		116	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*
o-Terphenyl	*141*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119666/1-A
Matrix: Solid
Analysis Batch: 119802

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			09/25/25 13:45	1

Lab Sample ID: LCS 880-119666/2-A
Matrix: Solid
Analysis Batch: 119802

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-119666/3-A
Matrix: Solid
Analysis Batch: 119802

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: 890-8849-6 MS
Matrix: Solid
Analysis Batch: 119802

Client Sample ID: CS - 6B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	93.0	F1	249	373.1	F1	mg/Kg		113	90 - 110

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8849-6 MSD
Matrix: Solid
Analysis Batch: 119802

Client Sample ID: CS - 6B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	93.0	F1	249	374.3	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: MB 880-119667/1-A
Matrix: Solid
Analysis Batch: 119812

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			09/25/25 17:13	1

Lab Sample ID: LCS 880-119667/2-A
Matrix: Solid
Analysis Batch: 119812

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.3		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-119667/3-A
Matrix: Solid
Analysis Batch: 119812

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	255.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-8849-16 MS
Matrix: Solid
Analysis Batch: 119812

Client Sample ID: CS - 16B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	84.5		249	354.9		mg/Kg		109	90 - 110

Lab Sample ID: 890-8849-16 MSD
Matrix: Solid
Analysis Batch: 119812

Client Sample ID: CS - 16B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	84.5		249	351.2		mg/Kg		107	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 119712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1	CS - 1B	Total/NA	Solid	5035	
890-8849-2	CS - 2B	Total/NA	Solid	5035	
890-8849-3	CS - 3B	Total/NA	Solid	5035	
890-8849-4	CS - 4B	Total/NA	Solid	5035	
890-8849-5	CS - 5B	Total/NA	Solid	5035	
890-8849-6	CS - 6B	Total/NA	Solid	5035	
890-8849-7	CS - 7B	Total/NA	Solid	5035	
890-8849-8	CS - 8B	Total/NA	Solid	5035	
890-8849-9	CS - 9B	Total/NA	Solid	5035	
890-8849-10	CS - 10B	Total/NA	Solid	5035	
890-8849-11	CS - 11B	Total/NA	Solid	5035	
890-8849-12	CS - 12B	Total/NA	Solid	5035	
890-8849-13	CS - 13B	Total/NA	Solid	5035	
890-8849-14	CS - 14B	Total/NA	Solid	5035	
890-8849-15	CS - 15B	Total/NA	Solid	5035	
890-8849-16	CS - 16B	Total/NA	Solid	5035	
890-8849-17	CS - 17B	Total/NA	Solid	5035	
890-8849-18	CS - 18B	Total/NA	Solid	5035	
890-8849-19	CS - 19B	Total/NA	Solid	5035	
890-8849-20	CS - 20B	Total/NA	Solid	5035	
MB 880-119712/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119712/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119712/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8849-1 MS	CS - 1B	Total/NA	Solid	5035	
890-8849-1 MSD	CS - 1B	Total/NA	Solid	5035	

Analysis Batch: 119724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1	CS - 1B	Total/NA	Solid	8021B	119712
890-8849-2	CS - 2B	Total/NA	Solid	8021B	119712
890-8849-3	CS - 3B	Total/NA	Solid	8021B	119712
890-8849-4	CS - 4B	Total/NA	Solid	8021B	119712
890-8849-5	CS - 5B	Total/NA	Solid	8021B	119712
890-8849-6	CS - 6B	Total/NA	Solid	8021B	119712
890-8849-7	CS - 7B	Total/NA	Solid	8021B	119712
890-8849-8	CS - 8B	Total/NA	Solid	8021B	119712
890-8849-9	CS - 9B	Total/NA	Solid	8021B	119712
890-8849-10	CS - 10B	Total/NA	Solid	8021B	119712
890-8849-11	CS - 11B	Total/NA	Solid	8021B	119712
890-8849-12	CS - 12B	Total/NA	Solid	8021B	119712
890-8849-13	CS - 13B	Total/NA	Solid	8021B	119712
890-8849-14	CS - 14B	Total/NA	Solid	8021B	119712
890-8849-15	CS - 15B	Total/NA	Solid	8021B	119712
890-8849-16	CS - 16B	Total/NA	Solid	8021B	119712
890-8849-17	CS - 17B	Total/NA	Solid	8021B	119712
890-8849-18	CS - 18B	Total/NA	Solid	8021B	119712
890-8849-19	CS - 19B	Total/NA	Solid	8021B	119712
890-8849-20	CS - 20B	Total/NA	Solid	8021B	119712
MB 880-119712/5-A	Method Blank	Total/NA	Solid	8021B	119712
LCS 880-119712/1-A	Lab Control Sample	Total/NA	Solid	8021B	119712
LCSD 880-119712/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119712

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 119724 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1 MS	CS - 1B	Total/NA	Solid	8021B	119712
890-8849-1 MSD	CS - 1B	Total/NA	Solid	8021B	119712

Analysis Batch: 119725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-21	CS - 21B	Total/NA	Solid	8021B	119752
890-8849-22	CS - 22B	Total/NA	Solid	8021B	119752
890-8849-23	CS - 23B	Total/NA	Solid	8021B	119752
890-8849-24	CS - 24B	Total/NA	Solid	8021B	119752
890-8849-25	CS - 25B	Total/NA	Solid	8021B	119752
MB 880-119752/5-A	Method Blank	Total/NA	Solid	8021B	119752
LCS 880-119752/1-A	Lab Control Sample	Total/NA	Solid	8021B	119752
LCSD 880-119752/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119752
890-8849-21 MS	CS - 21B	Total/NA	Solid	8021B	119752
890-8849-21 MSD	CS - 21B	Total/NA	Solid	8021B	119752

Prep Batch: 119752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-21	CS - 21B	Total/NA	Solid	5035	
890-8849-22	CS - 22B	Total/NA	Solid	5035	
890-8849-23	CS - 23B	Total/NA	Solid	5035	
890-8849-24	CS - 24B	Total/NA	Solid	5035	
890-8849-25	CS - 25B	Total/NA	Solid	5035	
MB 880-119752/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119752/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119752/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8849-21 MS	CS - 21B	Total/NA	Solid	5035	
890-8849-21 MSD	CS - 21B	Total/NA	Solid	5035	

Analysis Batch: 119879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1	CS - 1B	Total/NA	Solid	Total BTEX	
890-8849-2	CS - 2B	Total/NA	Solid	Total BTEX	
890-8849-3	CS - 3B	Total/NA	Solid	Total BTEX	
890-8849-4	CS - 4B	Total/NA	Solid	Total BTEX	
890-8849-5	CS - 5B	Total/NA	Solid	Total BTEX	
890-8849-6	CS - 6B	Total/NA	Solid	Total BTEX	
890-8849-7	CS - 7B	Total/NA	Solid	Total BTEX	
890-8849-8	CS - 8B	Total/NA	Solid	Total BTEX	
890-8849-9	CS - 9B	Total/NA	Solid	Total BTEX	
890-8849-10	CS - 10B	Total/NA	Solid	Total BTEX	
890-8849-11	CS - 11B	Total/NA	Solid	Total BTEX	
890-8849-12	CS - 12B	Total/NA	Solid	Total BTEX	
890-8849-13	CS - 13B	Total/NA	Solid	Total BTEX	
890-8849-14	CS - 14B	Total/NA	Solid	Total BTEX	
890-8849-15	CS - 15B	Total/NA	Solid	Total BTEX	
890-8849-16	CS - 16B	Total/NA	Solid	Total BTEX	
890-8849-17	CS - 17B	Total/NA	Solid	Total BTEX	
890-8849-18	CS - 18B	Total/NA	Solid	Total BTEX	
890-8849-19	CS - 19B	Total/NA	Solid	Total BTEX	
890-8849-20	CS - 20B	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 119879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-21	CS - 21B	Total/NA	Solid	Total BTEX	
890-8849-22	CS - 22B	Total/NA	Solid	Total BTEX	
890-8849-23	CS - 23B	Total/NA	Solid	Total BTEX	
890-8849-24	CS - 24B	Total/NA	Solid	Total BTEX	
890-8849-25	CS - 25B	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 119650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-9	CS - 9B	Total/NA	Solid	8015NM Prep	
890-8849-10	CS - 10B	Total/NA	Solid	8015NM Prep	
890-8849-11	CS - 11B	Total/NA	Solid	8015NM Prep	
890-8849-12	CS - 12B	Total/NA	Solid	8015NM Prep	
890-8849-13	CS - 13B	Total/NA	Solid	8015NM Prep	
890-8849-14	CS - 14B	Total/NA	Solid	8015NM Prep	
890-8849-15	CS - 15B	Total/NA	Solid	8015NM Prep	
890-8849-16	CS - 16B	Total/NA	Solid	8015NM Prep	
890-8849-17	CS - 17B	Total/NA	Solid	8015NM Prep	
890-8849-18	CS - 18B	Total/NA	Solid	8015NM Prep	
890-8849-19	CS - 19B	Total/NA	Solid	8015NM Prep	
890-8849-20	CS - 20B	Total/NA	Solid	8015NM Prep	
890-8849-21	CS - 21B	Total/NA	Solid	8015NM Prep	
890-8849-22	CS - 22B	Total/NA	Solid	8015NM Prep	
890-8849-23	CS - 23B	Total/NA	Solid	8015NM Prep	
890-8849-24	CS - 24B	Total/NA	Solid	8015NM Prep	
890-8849-25	CS - 25B	Total/NA	Solid	8015NM Prep	
MB 880-119650/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119650/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119650/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8849-9 MS	CS - 9B	Total/NA	Solid	8015NM Prep	
890-8849-9 MSD	CS - 9B	Total/NA	Solid	8015NM Prep	

Analysis Batch: 119968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-9	CS - 9B	Total/NA	Solid	8015B NM	119650
890-8849-10	CS - 10B	Total/NA	Solid	8015B NM	119650
890-8849-11	CS - 11B	Total/NA	Solid	8015B NM	119650
890-8849-12	CS - 12B	Total/NA	Solid	8015B NM	119650
890-8849-13	CS - 13B	Total/NA	Solid	8015B NM	119650
890-8849-14	CS - 14B	Total/NA	Solid	8015B NM	119650
890-8849-15	CS - 15B	Total/NA	Solid	8015B NM	119650
890-8849-16	CS - 16B	Total/NA	Solid	8015B NM	119650
890-8849-17	CS - 17B	Total/NA	Solid	8015B NM	119650
890-8849-18	CS - 18B	Total/NA	Solid	8015B NM	119650
890-8849-19	CS - 19B	Total/NA	Solid	8015B NM	119650
890-8849-20	CS - 20B	Total/NA	Solid	8015B NM	119650
890-8849-21	CS - 21B	Total/NA	Solid	8015B NM	119650
890-8849-22	CS - 22B	Total/NA	Solid	8015B NM	119650
890-8849-23	CS - 23B	Total/NA	Solid	8015B NM	119650
890-8849-24	CS - 24B	Total/NA	Solid	8015B NM	119650

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 119968 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-25	CS - 25B	Total/NA	Solid	8015B NM	119650
MB 880-119650/1-A	Method Blank	Total/NA	Solid	8015B NM	119650
LCS 880-119650/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119650
LCSD 880-119650/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119650
890-8849-9 MS	CS - 9B	Total/NA	Solid	8015B NM	119650
890-8849-9 MSD	CS - 9B	Total/NA	Solid	8015B NM	119650

Analysis Batch: 119972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1	CS - 1B	Total/NA	Solid	8015B NM	119976
890-8849-2	CS - 2B	Total/NA	Solid	8015B NM	119976
890-8849-3	CS - 3B	Total/NA	Solid	8015B NM	119976
890-8849-4	CS - 4B	Total/NA	Solid	8015B NM	119976
890-8849-5	CS - 5B	Total/NA	Solid	8015B NM	119976
890-8849-6	CS - 6B	Total/NA	Solid	8015B NM	119976
890-8849-7	CS - 7B	Total/NA	Solid	8015B NM	119976
890-8849-8	CS - 8B	Total/NA	Solid	8015B NM	119976
MB 880-119976/1-A	Method Blank	Total/NA	Solid	8015B NM	119976
LCS 880-119976/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119976
LCSD 880-119976/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119976

Prep Batch: 119976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1	CS - 1B	Total/NA	Solid	8015NM Prep	
890-8849-2	CS - 2B	Total/NA	Solid	8015NM Prep	
890-8849-3	CS - 3B	Total/NA	Solid	8015NM Prep	
890-8849-4	CS - 4B	Total/NA	Solid	8015NM Prep	
890-8849-5	CS - 5B	Total/NA	Solid	8015NM Prep	
890-8849-6	CS - 6B	Total/NA	Solid	8015NM Prep	
890-8849-7	CS - 7B	Total/NA	Solid	8015NM Prep	
890-8849-8	CS - 8B	Total/NA	Solid	8015NM Prep	
MB 880-119976/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119976/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119976/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1	CS - 1B	Total/NA	Solid	8015 NM	
890-8849-2	CS - 2B	Total/NA	Solid	8015 NM	
890-8849-3	CS - 3B	Total/NA	Solid	8015 NM	
890-8849-4	CS - 4B	Total/NA	Solid	8015 NM	
890-8849-5	CS - 5B	Total/NA	Solid	8015 NM	
890-8849-6	CS - 6B	Total/NA	Solid	8015 NM	
890-8849-7	CS - 7B	Total/NA	Solid	8015 NM	
890-8849-8	CS - 8B	Total/NA	Solid	8015 NM	
890-8849-9	CS - 9B	Total/NA	Solid	8015 NM	
890-8849-10	CS - 10B	Total/NA	Solid	8015 NM	
890-8849-11	CS - 11B	Total/NA	Solid	8015 NM	
890-8849-12	CS - 12B	Total/NA	Solid	8015 NM	
890-8849-13	CS - 13B	Total/NA	Solid	8015 NM	
890-8849-14	CS - 14B	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 120094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-15	CS - 15B	Total/NA	Solid	8015 NM	
890-8849-16	CS - 16B	Total/NA	Solid	8015 NM	
890-8849-17	CS - 17B	Total/NA	Solid	8015 NM	
890-8849-18	CS - 18B	Total/NA	Solid	8015 NM	
890-8849-19	CS - 19B	Total/NA	Solid	8015 NM	
890-8849-20	CS - 20B	Total/NA	Solid	8015 NM	
890-8849-21	CS - 21B	Total/NA	Solid	8015 NM	
890-8849-22	CS - 22B	Total/NA	Solid	8015 NM	
890-8849-23	CS - 23B	Total/NA	Solid	8015 NM	
890-8849-24	CS - 24B	Total/NA	Solid	8015 NM	
890-8849-25	CS - 25B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 119666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1	CS - 1B	Soluble	Solid	DI Leach	
890-8849-2	CS - 2B	Soluble	Solid	DI Leach	
890-8849-3	CS - 3B	Soluble	Solid	DI Leach	
890-8849-4	CS - 4B	Soluble	Solid	DI Leach	
890-8849-5	CS - 5B	Soluble	Solid	DI Leach	
890-8849-6	CS - 6B	Soluble	Solid	DI Leach	
890-8849-7	CS - 7B	Soluble	Solid	DI Leach	
890-8849-8	CS - 8B	Soluble	Solid	DI Leach	
890-8849-9	CS - 9B	Soluble	Solid	DI Leach	
890-8849-10	CS - 10B	Soluble	Solid	DI Leach	
890-8849-11	CS - 11B	Soluble	Solid	DI Leach	
890-8849-12	CS - 12B	Soluble	Solid	DI Leach	
890-8849-13	CS - 13B	Soluble	Solid	DI Leach	
890-8849-14	CS - 14B	Soluble	Solid	DI Leach	
890-8849-15	CS - 15B	Soluble	Solid	DI Leach	
MB 880-119666/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119666/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119666/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8849-6 MS	CS - 6B	Soluble	Solid	DI Leach	
890-8849-6 MSD	CS - 6B	Soluble	Solid	DI Leach	

Leach Batch: 119667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-16	CS - 16B	Soluble	Solid	DI Leach	
890-8849-17	CS - 17B	Soluble	Solid	DI Leach	
890-8849-18	CS - 18B	Soluble	Solid	DI Leach	
890-8849-19	CS - 19B	Soluble	Solid	DI Leach	
890-8849-20	CS - 20B	Soluble	Solid	DI Leach	
890-8849-21	CS - 21B	Soluble	Solid	DI Leach	
890-8849-22	CS - 22B	Soluble	Solid	DI Leach	
890-8849-23	CS - 23B	Soluble	Solid	DI Leach	
890-8849-24	CS - 24B	Soluble	Solid	DI Leach	
890-8849-25	CS - 25B	Soluble	Solid	DI Leach	
MB 880-119667/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119667/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 119667 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-119667/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8849-16 MS	CS - 16B	Soluble	Solid	DI Leach	
890-8849-16 MSD	CS - 16B	Soluble	Solid	DI Leach	

Analysis Batch: 119802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-1	CS - 1B	Soluble	Solid	300.0	119666
890-8849-2	CS - 2B	Soluble	Solid	300.0	119666
890-8849-3	CS - 3B	Soluble	Solid	300.0	119666
890-8849-4	CS - 4B	Soluble	Solid	300.0	119666
890-8849-5	CS - 5B	Soluble	Solid	300.0	119666
890-8849-6	CS - 6B	Soluble	Solid	300.0	119666
890-8849-7	CS - 7B	Soluble	Solid	300.0	119666
890-8849-8	CS - 8B	Soluble	Solid	300.0	119666
890-8849-9	CS - 9B	Soluble	Solid	300.0	119666
890-8849-10	CS - 10B	Soluble	Solid	300.0	119666
890-8849-11	CS - 11B	Soluble	Solid	300.0	119666
890-8849-12	CS - 12B	Soluble	Solid	300.0	119666
890-8849-13	CS - 13B	Soluble	Solid	300.0	119666
890-8849-14	CS - 14B	Soluble	Solid	300.0	119666
890-8849-15	CS - 15B	Soluble	Solid	300.0	119666
MB 880-119666/1-A	Method Blank	Soluble	Solid	300.0	119666
LCS 880-119666/2-A	Lab Control Sample	Soluble	Solid	300.0	119666
LCSD 880-119666/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119666
890-8849-6 MS	CS - 6B	Soluble	Solid	300.0	119666
890-8849-6 MSD	CS - 6B	Soluble	Solid	300.0	119666

Analysis Batch: 119812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8849-16	CS - 16B	Soluble	Solid	300.0	119667
890-8849-17	CS - 17B	Soluble	Solid	300.0	119667
890-8849-18	CS - 18B	Soluble	Solid	300.0	119667
890-8849-19	CS - 19B	Soluble	Solid	300.0	119667
890-8849-20	CS - 20B	Soluble	Solid	300.0	119667
890-8849-21	CS - 21B	Soluble	Solid	300.0	119667
890-8849-22	CS - 22B	Soluble	Solid	300.0	119667
890-8849-23	CS - 23B	Soluble	Solid	300.0	119667
890-8849-24	CS - 24B	Soluble	Solid	300.0	119667
890-8849-25	CS - 25B	Soluble	Solid	300.0	119667
MB 880-119667/1-A	Method Blank	Soluble	Solid	300.0	119667
LCS 880-119667/2-A	Lab Control Sample	Soluble	Solid	300.0	119667
LCSD 880-119667/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119667
890-8849-16 MS	CS - 16B	Soluble	Solid	300.0	119667
890-8849-16 MSD	CS - 16B	Soluble	Solid	300.0	119667

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 1B
Date Collected: 09/23/25 11:45
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-1
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			4.98 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 11:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 16:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 16:53	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 14:48	CS	EET MID

Client Sample ID: CS - 2B
Date Collected: 09/23/25 11:50
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-2
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			5.03 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 12:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 17:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 17:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 14:53	CS	EET MID

Client Sample ID: CS - 3B
Date Collected: 09/23/25 11:55
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-3
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			5.01 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 12:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 17:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 17:21	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 14:58	CS	EET MID

Client Sample ID: CS - 4B
Date Collected: 09/23/25 12:00
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-4
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 12:55	AJ	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 4B
Date Collected: 09/23/25 12:00
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-4
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			120094	09/29/25 17:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 17:35	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 15:03	CS	EET MID

Client Sample ID: CS - 5B
Date Collected: 09/23/25 12:05
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-5
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			4.95 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 13:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 17:49	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 17:49	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 15:08	CS	EET MID

Client Sample ID: CS - 6B
Date Collected: 09/23/25 12:10
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-6
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			5.04 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 13:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 18:04	SA	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 18:04	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 15:14	CS	EET MID

Client Sample ID: CS - 7B
Date Collected: 09/23/25 12:15
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-7
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			4.96 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 13:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 18:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 18:18	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 7B
Date Collected: 09/23/25 12:15
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-7
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			5.01 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 15:29	CS	EET MID

Client Sample ID: CS - 8B
Date Collected: 09/23/25 12:20
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-8
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 18:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 18:34	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 15:35	CS	EET MID

Client Sample ID: CS - 9B
Date Collected: 09/23/25 12:25
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-9
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 14:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 21:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 21:05	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 15:50	CS	EET MID

Client Sample ID: CS - 10B
Date Collected: 09/23/25 12:30
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-10
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			5.00 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 14:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 21:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 21:49	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 15:56	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 11B
Date Collected: 09/23/25 12:35
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-11
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 16:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 22:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 22:04	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 16:01	CS	EET MID

Client Sample ID: CS - 12B
Date Collected: 09/23/25 12:40
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-12
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 16:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 16:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 22:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 22:19	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 16:06	CS	EET MID

Client Sample ID: CS - 13B
Date Collected: 09/23/25 12:45
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-13
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			4.97 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 17:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 22:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 22:34	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 16:11	CS	EET MID

Client Sample ID: CS - 14B
Date Collected: 09/23/25 12:50
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-14
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 17:34	AJ	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 14B
Date Collected: 09/23/25 12:50
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-14
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			120094	09/29/25 22:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 22:50	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 16:17	CS	EET MID

Client Sample ID: CS - 15B
Date Collected: 09/23/25 12:55
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-15
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 17:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 23:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 23:04	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	119666	09/24/25 10:49	SA	EET MID
Soluble	Analysis	300.0		1			119802	09/25/25 16:22	CS	EET MID

Client Sample ID: CS - 16B
Date Collected: 09/23/25 13:00
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-16
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			4.99 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 18:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 23:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 23:20	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 17:31	CS	EET MID

Client Sample ID: CS - 17B
Date Collected: 09/23/25 13:05
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-17
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 18:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 23:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 23:35	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 17B
Date Collected: 09/23/25 13:05
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-17
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			5.01 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 17:49	CS	EET MID

Client Sample ID: CS - 18B
Date Collected: 09/23/25 13:10
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 18:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/29/25 23:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/29/25 23:50	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 17:55	CS	EET MID

Client Sample ID: CS - 19B
Date Collected: 09/23/25 13:15
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-19
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	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 19:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/30/25 00:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 00:20	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 18:01	CS	EET MID

Client Sample ID: CS - 20B
Date Collected: 09/23/25 13:20
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-20
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			5.02 g	5 mL	119712	09/24/25 16:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119724	09/25/25 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 19:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/30/25 00:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 00:35	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 18:06	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 21B
Date Collected: 09/23/25 13:25
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-21
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			4.98 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 11:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/30/25 00:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 00:49	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 18:24	CS	EET MID

Client Sample ID: CS - 22B
Date Collected: 09/23/25 13:30
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-22
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			5.03 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 12:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/30/25 01:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 01:05	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 18:30	CS	EET MID

Client Sample ID: CS - 23B
Date Collected: 09/23/25 13:35
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-23
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			5.01 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 12:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/30/25 01:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 01:19	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 18:36	CS	EET MID

Client Sample ID: CS - 24B
Date Collected: 09/23/25 13:40
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-24
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			4.98 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 12:55	AJ	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Client Sample ID: CS - 24B

Date Collected: 09/23/25 13:40
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-24
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			120094	09/30/25 01:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 01:35	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 18:42	CS	EET MID

Client Sample ID: CS - 25B

Date Collected: 09/23/25 13:45
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8849-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119879	09/25/25 13:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120094	09/30/25 01:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 01:49	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 18:48	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: 890-8849-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8849-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8849-1	CS - 1B	Solid	09/23/25 11:45	09/23/25 15:31	6
890-8849-2	CS - 2B	Solid	09/23/25 11:50	09/23/25 15:31	2
890-8849-3	CS - 3B	Solid	09/23/25 11:55	09/23/25 15:31	2
890-8849-4	CS - 4B	Solid	09/23/25 12:00	09/23/25 15:31	2
890-8849-5	CS - 5B	Solid	09/23/25 12:05	09/23/25 15:31	2
890-8849-6	CS - 6B	Solid	09/23/25 12:10	09/23/25 15:31	2
890-8849-7	CS - 7B	Solid	09/23/25 12:15	09/23/25 15:31	4
890-8849-8	CS - 8B	Solid	09/23/25 12:20	09/23/25 15:31	4
890-8849-9	CS - 9B	Solid	09/23/25 12:25	09/23/25 15:31	4
890-8849-10	CS - 10B	Solid	09/23/25 12:30	09/23/25 15:31	4
890-8849-11	CS - 11B	Solid	09/23/25 12:35	09/23/25 15:31	4
890-8849-12	CS - 12B	Solid	09/23/25 12:40	09/23/25 15:31	4
890-8849-13	CS - 13B	Solid	09/23/25 12:45	09/23/25 15:31	6
890-8849-14	CS - 14B	Solid	09/23/25 12:50	09/23/25 15:31	6
890-8849-15	CS - 15B	Solid	09/23/25 12:55	09/23/25 15:31	4
890-8849-16	CS - 16B	Solid	09/23/25 13:00	09/23/25 15:31	4
890-8849-17	CS - 17B	Solid	09/23/25 13:05	09/23/25 15:31	4
890-8849-18	CS - 18B	Solid	09/23/25 13:10	09/23/25 15:31	4
890-8849-19	CS - 19B	Solid	09/23/25 13:15	09/23/25 15:31	4
890-8849-20	CS - 20B	Solid	09/23/25 13:20	09/23/25 15:31	4
890-8849-21	CS - 21B	Solid	09/23/25 13:25	09/23/25 15:31	4
890-8849-22	CS - 22B	Solid	09/23/25 13:30	09/23/25 15:31	4
890-8849-23	CS - 23B	Solid	09/23/25 13:35	09/23/25 15:31	4
890-8849-24	CS - 24B	Solid	09/23/25 13:40	09/23/25 15:31	4
890-8849-25	CS - 25B	Solid	09/23/25 13:45	09/23/25 15:31	4

Page 431 of 808

9/30/2025 (Rev. 1)

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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 3

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	Yes No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM 007
~~Cooler Custody Seals:~~	~~Yes No N/A~~	Correction Factor:	.02
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.6
Total Containers:		Corrected Temperature:	-2.4

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

890-8849 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
CS-1	S	9.23.25	11:45	6	Comp	1	X	X	X			Incident Number
CS-2	S	9.23.25	11:50	2	Comp	1	X	X	X			nAPP2513556445
CS-3	S	9.23.25	11:55	2	Comp	1	X	X	X			
CS-4	S	9.23.25	12:00	2	Comp	1	X	X	X			
CS-5	S	9.23.25	12:05	2	Comp	1	X	X	X			
CS-6	S	9.23.25	12:10	2	Comp	1	X	X	X			
CS-7	S	9.23.25	12:15	4	Comp	1	X	X	X			
CS-8	S	9.23.25	12:20	4	Comp	1	X	X	X			
CS-9	S	9.23.25	12:25	4	Comp	1	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		9/23/25 15:3	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 53 of 57

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Page 432 of 808

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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 3

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	Yes No	
~~Samples Received Intact:~~	(Yes) No	Thermometer ID:	TNW007	
~~Cooler Custody Seals:~~	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.6	
Total Containers:		Corrected Temperature:	-2.4	

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

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
CS-10	S	9.23.25	12:30	4	Comp	1	X	X	X			Incident Number
CS-11	S	9.23.25	12:35	4	Comp	1	X	X	X			nAPP2513556445
CS-12	S	9.23.25	12:40	4	Comp	1	X	X	X			
CS-13	S	9.23.25	12:45	6	Comp	1	X	X	X			
CS-14	S	9.23.25	12:50	6	Comp	1	X	X	X			
CS-15	S	9.23.25	12:55	4	Comp	1	X	X	X			
CS-16	S	9.23.25	13:00	4	Comp	1	X	X	X			
CS-17	S	9.23.25	13:05	4	Comp	1	X	X	X			
CS-18	S	9.23.25	13:10	4	Comp	1	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
Hg: 1631 / 245.1 / 7470 / 7471
Circle Method(s) and Metal(s) to be analyzed

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		9/23/25 15:3	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

9/30/2025 (Rev. 1)
Page 54 of 57
Received by OCD: 11/18/2025 12:30:18 PM
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Page 433 of 808

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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 3 of 3

9/30/2025 (Rev. 1)

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	☑ Routine ☐ Rush
Project Number:	422	Due Date:	Routine TAT
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	Yes No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNW007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.6
Total Containers:		Corrected Temperature:	-2.4

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	Sample Comments
CS-19	S	9.23.25	13:15	4	Comp	1	X	X	X			Incident Number
CS-20	S	9.23.25	13:20	4	Comp	1	X	X	X			nAPP2513556445
CS-21	S	9.23.25	13:25	4	Comp	1	X	X	X			
CS-22	S	9.23.25	13:30	4	Comp	1	X	X	X			
CS-23	S	9.23.25	13:35	4	Comp	1	X	X	X			
CS-24	S	9.23.25	13:40	4	Comp	1	X	X	X			
CS-25	S	9.23.25	13:45	4	Comp	1	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		9/23/25 15:31	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 55 of 57

Received by OCD: 11/18/2025 12:30:18 PM

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8849-1
SDG Number: Eddy County, NM

Login Number: 8849
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: 890-8849-1
SDG Number: Eddy County, NM

Login Number: 8849
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 09/24/25 09:48 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 9/30/2025 5:18:43 PM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8850-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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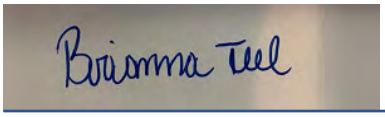
Job Notes

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

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Laboratory Job ID: 890-8850-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 33
QC Sample Results 36
QC Association Summary 48
Lab Chronicle 57
Certification Summary 67
Method Summary 68
Sample Summary 69
Chain of Custody 70
Receipt Checklists 74

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy 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
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: 890-8850-1
Project: Ross Draw Unit 43

Job ID: 890-8850-1 Eurofins Carlsbad

Job Narrative
890-8850-1

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 9/23/2025 3:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1B (890-8850-1), SW-2B (890-8850-2), SW-3B (890-8850-3), SW-4B (890-8850-4), SW-5B (890-8850-5), SW-6B (890-8850-6), SW-7B (890-8850-7), SW-8B (890-8850-8), SW-9B (890-8850-9), SW-10B (890-8850-10), SW-11B (890-8850-11), SW-12B (890-8850-12), SW-13B (890-8850-13), SW-14B (890-8850-14), SW-15B (890-8850-15), SW-16B (890-8850-16), SW-17B (890-8850-17), SW-18B (890-8850-18), SW-19B (890-8850-19), SW-20B (890-8850-20), SW-21B (890-8850-21), SW-22B (890-8850-22), SW-23B (890-8850-23), SW-24B (890-8850-24), SW-25B (890-8850-25), SW-26B (890-8850-26), SW-27B (890-8850-27), SW-28B (890-8850-28), SW-29B (890-8850-29), SW-30B (890-8850-30), SW-31B (890-8850-31), SW-32B (890-8850-32) and SW-33B (890-8850-33).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-119725/2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119651 and analytical batch 880-119937 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.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-119651/2-A) and (LCSD 880-119651/3-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 samples were outside control limits: (LCS 880-119652/2-A), (LCS 880-119976/2-A), (LCSD 880-119652/3-A) and (LCSD 880-119976/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119628 and analytical batch 880-119669 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: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-1B

Lab Sample ID: 890-8850-1
Matrix: Solid
Date Collected: 09/23/25 09:00
Date Received: 09/23/25 15:31
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		09/24/25 09:12	09/24/25 12:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 09:12	09/24/25 12:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 09:12	09/24/25 12:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/25 09:12	09/24/25 12:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 09:12	09/24/25 12:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 09:12	09/24/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/24/25 09:12*	*09/24/25 12:33*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/24/25 09:12*	*09/24/25 12:33*	*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			09/24/25 12:33	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			09/30/25 02:04	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	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/30/25 02:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/30/25 02:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/30/25 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/24/25 10:13*	*09/30/25 02:04*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/24/25 10:13*	*09/30/25 02:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.6**		9.94		mg/Kg			09/25/25 18:53	1

Client Sample ID: SW-2B

Lab Sample ID: 890-8850-2
Matrix: Solid
Date Collected: 09/23/25 09:05
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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		09/24/25 09:12	09/24/25 12:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 12:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 12:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 09:12	09/24/25 12:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 12:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 09:12	09/24/25 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/24/25 09:12*	*09/24/25 12:53*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-2B

Lab Sample ID: 890-8850-2
Matrix: Solid
Date Collected: 09/23/25 09:05
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*09/24/25 09:12*	*09/24/25 12:53*	*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			09/24/25 12:53	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			09/30/25 02:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 02:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 02:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/24/25 10:13*	*09/30/25 02:20*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/24/25 10:13*	*09/30/25 02:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.9**		9.92		mg/Kg			09/25/25 19:11	1

Client Sample ID: SW-3B

Lab Sample ID: 890-8850-3
Matrix: Solid
Date Collected: 09/23/25 09:10
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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		09/24/25 09:12	09/24/25 13:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 09:12	09/24/25 13:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 09:12	09/24/25 13:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/25 09:12	09/24/25 13:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 09:12	09/24/25 13:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 09:12	09/24/25 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/24/25 09:12*	*09/24/25 13:14*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/24/25 09:12*	*09/24/25 13:14*	*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			09/24/25 13:14	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			09/30/25 02:34	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-3B

Lab Sample ID: 890-8850-3
Matrix: Solid
Date Collected: 09/23/25 09:10
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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		09/24/25 10:13	09/30/25 02:34	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/24/25 10:13	09/30/25 02:34	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/24/25 10:13	09/30/25 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/24/25 10:13*	*09/30/25 02:34*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/24/25 10:13*	*09/30/25 02:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.6**		9.94		mg/Kg			09/25/25 19:17	1

Client Sample ID: SW-4B

Lab Sample ID: 890-8850-4
Matrix: Solid
Date Collected: 09/23/25 09:15
Date Received: 09/23/25 15:31
Sample Depth: 0-2

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		09/24/25 09:12	09/24/25 13:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 09:12	09/24/25 13:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 09:12	09/24/25 13:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/25 09:12	09/24/25 13:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 09:12	09/24/25 13:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 09:12	09/24/25 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/24/25 09:12*	*09/24/25 13:34*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/24/25 09:12*	*09/24/25 13:34*	*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			09/24/25 13:34	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			09/28/25 03:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		09/24/25 10:13	09/28/25 03:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		09/24/25 10:13	09/28/25 03:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/24/25 10:13*	*09/28/25 03:20*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/24/25 10:13*	*09/28/25 03:20*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-4B

Lab Sample ID: 890-8850-4
Matrix: Solid
Date Collected: 09/23/25 09:15
Date Received: 09/23/25 15:31
Sample Depth: 0-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		9.98		mg/Kg			09/25/25 19:35	1

Client Sample ID: SW-5B

Lab Sample ID: 890-8850-5
Matrix: Solid
Date Collected: 09/23/25 09:20
Date Received: 09/23/25 15:31
Sample Depth: 0-2

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		09/24/25 09:12	09/24/25 13:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 09:12	09/24/25 13:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 09:12	09/24/25 13:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/24/25 09:12	09/24/25 13:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 09:12	09/24/25 13:55	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/24/25 09:12	09/24/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/24/25 09:12*	*09/24/25 13:55*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/24/25 09:12*	*09/24/25 13:55*	*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			09/24/25 13:55	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			09/28/25 04:05	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		09/24/25 10:13	09/28/25 04:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 04:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/24/25 10:13*	*09/28/25 04:05*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/24/25 10:13*	*09/28/25 04:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		10.1		mg/Kg			09/25/25 19:41	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-6B

Lab Sample ID: 890-8850-6
Matrix: Solid
Date Collected: 09/23/25 09:25
Date Received: 09/23/25 15:31
Sample Depth: 0-2

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		09/24/25 09:12	09/24/25 14:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 09:12	09/24/25 14:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 09:12	09/24/25 14:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/24/25 09:12	09/24/25 14:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 09:12	09/24/25 14:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/24/25 09:12	09/24/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*09/24/25 09:12*	*09/24/25 14:16*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*09/24/25 09:12*	*09/24/25 14:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/24/25 14:16	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			09/28/25 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 04:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 04:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/24/25 10:13*	*09/28/25 04:20*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/24/25 10:13*	*09/28/25 04:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.9**		10.0		mg/Kg			09/25/25 19:46	1

Client Sample ID: SW-7B

Lab Sample ID: 890-8850-7
Matrix: Solid
Date Collected: 09/23/25 09:30
Date Received: 09/23/25 15:31
Sample Depth: 0-2

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		09/24/25 09:12	09/24/25 14:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 09:12	09/24/25 14:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 09:12	09/24/25 14:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/24/25 09:12	09/24/25 14:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 09:12	09/24/25 14:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/24/25 09:12	09/24/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/24/25 09:12*	*09/24/25 14:36*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-7B

Lab Sample ID: 890-8850-7
Matrix: Solid
Date Collected: 09/23/25 09:30
Date Received: 09/23/25 15:31
Sample Depth: 0-2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/24/25 09:12*	*09/24/25 14:36*	*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			09/24/25 14:36	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			09/28/25 04:36	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	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/28/25 04:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/28/25 04:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/28/25 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*09/24/25 10:13*	*09/28/25 04:36*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/24/25 10:13*	*09/28/25 04:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**181**		10.0		mg/Kg			09/25/25 19:52	1

Client Sample ID: SW-8B

Lab Sample ID: 890-8850-8
Matrix: Solid
Date Collected: 09/23/25 09:35
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 09:12	09/24/25 14:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 14:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 14:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 09:12	09/24/25 14:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 14:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 09:12	09/24/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/24/25 09:12*	*09/24/25 14:56*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/24/25 09:12*	*09/24/25 14:56*	*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			09/24/25 14:56	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			09/28/25 04:51	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-8B

Lab Sample ID: 890-8850-8
Matrix: Solid
Date Collected: 09/23/25 09:35
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/28/25 04:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/28/25 04:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/28/25 04:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/24/25 10:13*	*09/28/25 04:51*	*1*
o-Terphenyl	*84*		*70 - 130*	*09/24/25 10:13*	*09/28/25 04:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		10.1		mg/Kg			09/25/25 19:58	1

Client Sample ID: SW-9B

Lab Sample ID: 890-8850-9
Matrix: Solid
Date Collected: 09/23/25 09:40
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 11:29	09/25/25 05:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 11:29	09/25/25 05:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 11:29	09/25/25 05:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/24/25 11:29	09/25/25 05:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 11:29	09/25/25 05:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/25 11:29	09/25/25 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/24/25 11:29*	*09/25/25 05:51*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/24/25 11:29*	*09/25/25 05:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/25/25 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/28/25 05:05	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		09/24/25 10:13	09/28/25 05:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 05:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/24/25 10:13*	*09/28/25 05:05*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/24/25 10:13*	*09/28/25 05:05*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-9B

Lab Sample ID: 890-8850-9
Matrix: Solid
Date Collected: 09/23/25 09:40
Date Received: 09/23/25 15:31
Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.0		10.1		mg/Kg			09/25/25 20:04	1

Client Sample ID: SW-10B

Lab Sample ID: 890-8850-10
Matrix: Solid
Date Collected: 09/23/25 09:45
Date Received: 09/23/25 15:31
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		09/24/25 11:29	09/25/25 06:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 11:29	09/25/25 06:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 11:29	09/25/25 06:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/25 11:29	09/25/25 06:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 11:29	09/25/25 06:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 11:29	09/25/25 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/24/25 11:29*	*09/25/25 06:11*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/24/25 11:29*	*09/25/25 06:11*	*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			09/25/25 06:11	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			09/28/25 05:21	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		09/24/25 10:13	09/28/25 05:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 05:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/24/25 10:13*	*09/28/25 05:21*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/24/25 10:13*	*09/28/25 05:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.7		10.1		mg/Kg			09/25/25 20:10	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-11B

Lab Sample ID: 890-8850-11
Matrix: Solid
Date Collected: 09/23/25 09:50
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 09:12	09/24/25 16:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 16:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 16:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 09:12	09/24/25 16:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 09:12	09/24/25 16:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 09:12	09/24/25 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/24/25 09:12*	*09/24/25 16:59*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/24/25 09:12*	*09/24/25 16:59*	*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			09/24/25 16:59	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			09/28/25 05:36	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	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 05:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 05:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/24/25 10:13*	*09/28/25 05:36*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/24/25 10:13*	*09/28/25 05:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.8**		9.94		mg/Kg			09/25/25 19:47	1

Client Sample ID: SW-12B

Lab Sample ID: 890-8850-12
Matrix: Solid
Date Collected: 09/23/25 09:55
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/25/25 09:15	09/25/25 16:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 16:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 16:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/25 09:15	09/25/25 16:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 16:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/25 09:15	09/25/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*09/25/25 09:15*	*09/25/25 16:32*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-12B

Lab Sample ID: 890-8850-12
Matrix: Solid
Date Collected: 09/23/25 09:55
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/25/25 09:15*	*09/25/25 16:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/25/25 16:32	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			09/28/25 05:52	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		09/24/25 10:13	09/28/25 05:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/28/25 05:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/28/25 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*09/24/25 10:13*	*09/28/25 05:52*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/24/25 10:13*	*09/28/25 05:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.7**		9.98		mg/Kg			09/25/25 20:02	1

Client Sample ID: SW-13B

Lab Sample ID: 890-8850-13
Matrix: Solid
Date Collected: 09/23/25 10:00
Date Received: 09/23/25 15:31
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		09/25/25 09:15	09/25/25 16:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 16:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 16:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/25 09:15	09/25/25 16:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 16:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/25 09:15	09/25/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/25/25 09:15*	*09/25/25 16:52*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/25/25 09:15*	*09/25/25 16:52*	*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			09/25/25 16:52	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			09/28/25 06:06	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-13B

Lab Sample ID: 890-8850-13
Matrix: Solid
Date Collected: 09/23/25 10:00
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/28/25 06:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/28/25 06:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/28/25 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*09/24/25 10:13*	*09/28/25 06:06*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/24/25 10:13*	*09/28/25 06:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**272**		9.96		mg/Kg			09/25/25 20:08	1

Client Sample ID: SW-14B

Lab Sample ID: 890-8850-14
Matrix: Solid
Date Collected: 09/23/25 10:05
Date Received: 09/23/25 15:31
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		09/25/25 09:15	09/25/25 17:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 17:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 17:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/25/25 09:15	09/25/25 17:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/25/25 09:15	09/25/25 17:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/25/25 09:15	09/25/25 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/25/25 09:15*	*09/25/25 17:12*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/25/25 09:15*	*09/25/25 17:12*	*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			09/25/25 17:12	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			09/29/25 19:03	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		09/29/25 11:54	09/29/25 19:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/29/25 11:54	09/29/25 19:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/25 11:54	09/29/25 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/29/25 11:54*	*09/29/25 19:03*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/29/25 11:54*	*09/29/25 19:03*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-14B

Lab Sample ID: 890-8850-14
Matrix: Solid
Date Collected: 09/23/25 10:05
Date Received: 09/23/25 15:31
Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		9.92		mg/Kg			09/25/25 20:13	1

Client Sample ID: SW-15B

Lab Sample ID: 890-8850-15
Matrix: Solid
Date Collected: 09/23/25 10:10
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/25/25 09:15	09/25/25 17:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 17:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 17:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/25/25 09:15	09/25/25 17:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/25/25 09:15	09/25/25 17:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/25/25 09:15	09/25/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/25/25 09:15*	*09/25/25 17:33*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/25/25 09:15*	*09/25/25 17:33*	*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			09/25/25 17:33	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			09/29/25 19:17	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		09/29/25 11:54	09/29/25 19:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 19:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*09/29/25 11:54*	*09/29/25 19:17*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/29/25 11:54*	*09/29/25 19:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.2		10.0		mg/Kg			09/25/25 20:18	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-16B

Lab Sample ID: 890-8850-16
Matrix: Solid
Date Collected: 09/23/25 10:15
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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		09/25/25 09:15	09/25/25 17:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 17:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 17:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/25/25 09:15	09/25/25 17:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 17:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/25/25 09:15	09/25/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/25/25 09:15*	*09/25/25 17:53*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/25/25 09:15*	*09/25/25 17:53*	*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			09/25/25 17:53	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			09/29/25 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 19:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 19:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*09/29/25 11:54*	*09/29/25 19:31*	*1*
o-Terphenyl	*81*		*70 - 130*	*09/29/25 11:54*	*09/29/25 19:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		9.94		mg/Kg			09/25/25 20:34	1

Client Sample ID: SW-17B

Lab Sample ID: 890-8850-17
Matrix: Solid
Date Collected: 09/23/25 10:20
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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		09/25/25 09:15	09/25/25 18:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 18:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 18:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/25/25 09:15	09/25/25 18:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 18:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/25/25 09:15	09/25/25 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/25/25 09:15*	*09/25/25 18:14*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-17B

Lab Sample ID: 890-8850-17
Matrix: Solid

Date Collected: 09/23/25 10:20
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/25/25 09:15*	*09/25/25 18:14*	*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			09/25/25 18:14	1

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			09/29/25 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/29/25 11:54	09/29/25 19:45	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/29/25 11:54	09/29/25 19:45	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/29/25 11:54	09/29/25 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/29/25 11:54*	*09/29/25 19:45*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/29/25 11:54*	*09/29/25 19:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.3**		9.98		mg/Kg			09/25/25 20:39	1

Client Sample ID: SW-18B

Lab Sample ID: 890-8850-18
Matrix: Solid

Date Collected: 09/23/25 10:25
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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		09/25/25 09:15	09/25/25 18:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 18:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 18:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/25/25 09:15	09/25/25 18:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 18:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/25/25 09:15	09/25/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/25/25 09:15*	*09/25/25 18:34*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/25/25 09:15*	*09/25/25 18:34*	*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			09/25/25 18:34	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			09/29/25 20:00	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-18B

Lab Sample ID: 890-8850-18
Matrix: Solid
Date Collected: 09/23/25 10:25
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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		09/29/25 11:54	09/29/25 20:00	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/29/25 11:54	09/29/25 20:00	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/29/25 11:54	09/29/25 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:00*	*1*
o-Terphenyl	*84*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		10.0		mg/Kg			09/25/25 20:44	1

Client Sample ID: SW-19B

Lab Sample ID: 890-8850-19
Matrix: Solid
Date Collected: 09/23/25 10:30
Date Received: 09/23/25 15:31
Sample Depth: 0-6

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		09/25/25 09:15	09/25/25 18:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 18:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 18:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/25/25 09:15	09/25/25 18:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 18:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/25/25 09:15	09/25/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/25/25 09:15*	*09/25/25 18:55*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/25/25 09:15*	*09/25/25 18:55*	*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			09/25/25 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/29/25 20:14	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	<50.4	U	50.4		mg/Kg		09/29/25 11:54	09/29/25 20:14	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/29/25 11:54	09/29/25 20:14	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/29/25 11:54	09/29/25 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:14*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:14*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-19B

Lab Sample ID: 890-8850-19
Matrix: Solid
Date Collected: 09/23/25 10:30
Date Received: 09/23/25 15:31
Sample Depth: 0-6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		9.92		mg/Kg			09/25/25 20:49	1

Client Sample ID: SW-20B

Lab Sample ID: 890-8850-20
Matrix: Solid
Date Collected: 09/23/25 10:35
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/25/25 09:15	09/25/25 19:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/25/25 09:15	09/25/25 19:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/25/25 09:15	09/25/25 19:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/25/25 09:15	09/25/25 19:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/25/25 09:15	09/25/25 19:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/25/25 09:15	09/25/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/25/25 09:15*	*09/25/25 19:15*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/25/25 09:15*	*09/25/25 19:15*	*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			09/25/25 19:15	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			09/29/25 20:29	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		09/29/25 11:54	09/29/25 20:29	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/29/25 11:54	09/29/25 20:29	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/29/25 11:54	09/29/25 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:29*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.4		10.0		mg/Kg			09/25/25 20:55	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-21B

Lab Sample ID: 890-8850-21
Matrix: Solid
Date Collected: 09/23/25 10:40
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 08:54	09/24/25 16:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 16:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 16:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 08:54	09/24/25 16:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 16:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 08:54	09/24/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*09/24/25 08:54*	*09/24/25 16:49*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*09/24/25 08:54*	*09/24/25 16:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/24/25 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/29/25 20:43	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		09/29/25 11:54	09/29/25 20:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 20:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:43*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.9**		10.1		mg/Kg			09/25/25 21:00	1

Client Sample ID: SW-22B

Lab Sample ID: 890-8850-22
Matrix: Solid
Date Collected: 09/23/25 10:45
Date Received: 09/23/25 15:31
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		09/24/25 08:54	09/24/25 17:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 17:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 17:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/25 08:54	09/24/25 17:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 17:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 08:54	09/24/25 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/24/25 08:54*	*09/24/25 17:09*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-22B

Lab Sample ID: 890-8850-22
Matrix: Solid
Date Collected: 09/23/25 10:45
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/24/25 08:54*	*09/24/25 17:09*	*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			09/24/25 17:09	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			09/29/25 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	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 20:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 20:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/25 11:54	09/29/25 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:57*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/29/25 11:54*	*09/29/25 20:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.9**		10.0		mg/Kg			09/25/25 21:16	1

Client Sample ID: SW-23B

Lab Sample ID: 890-8850-23
Matrix: Solid
Date Collected: 09/23/25 10:50
Date Received: 09/23/25 15:31
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		09/24/25 08:54	09/24/25 17:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:54	09/24/25 17:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:54	09/24/25 17:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/24/25 08:54	09/24/25 17:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/24/25 08:54	09/24/25 17:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/24/25 08:54	09/24/25 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/24/25 08:54*	*09/24/25 17:30*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/24/25 08:54*	*09/24/25 17:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/24/25 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/29/25 21:12	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-23B

Lab Sample ID: 890-8850-23
Matrix: Solid
Date Collected: 09/23/25 10:50
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/29/25 11:54	09/29/25 21:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 21:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*09/29/25 11:54*	*09/29/25 21:12*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/29/25 11:54*	*09/29/25 21:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**157**		9.92		mg/Kg			09/25/25 21:21	1

Client Sample ID: SW-24B

Lab Sample ID: 890-8850-24
Matrix: Solid
Date Collected: 09/23/25 10:55
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 08:54	09/24/25 17:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 17:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 17:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 08:54	09/24/25 17:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 17:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 08:54	09/24/25 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/24/25 08:54*	*09/24/25 17:50*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/24/25 08:54*	*09/24/25 17:50*	*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			09/24/25 17:50	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			09/29/25 23:07	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		09/24/25 10:13	09/29/25 23:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:07*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:07*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-24B
Lab Sample ID: 890-8850-24

Date Collected: 09/23/25 10:55
Matrix: Solid
Date Received: 09/23/25 15:31
Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		9.96		mg/Kg			09/25/25 21:37	1

Client Sample ID: SW-25B
Lab Sample ID: 890-8850-25

Date Collected: 09/23/25 11:00
Matrix: Solid
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 08:54	09/24/25 18:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:54	09/24/25 18:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:54	09/24/25 18:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/24/25 08:54	09/24/25 18:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:54	09/24/25 18:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/25 08:54	09/24/25 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/24/25 08:54*	*09/24/25 18:11*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/24/25 08:54*	*09/24/25 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			09/24/25 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/29/25 23:50	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		09/24/25 10:13	09/29/25 23:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:50*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/24/25 10:13*	*09/29/25 23:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		9.98		mg/Kg			09/25/25 21:42	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-26B

Lab Sample ID: 890-8850-26
Matrix: Solid
Date Collected: 09/23/25 11:05
Date Received: 09/23/25 15:31
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		09/24/25 08:54	09/24/25 18:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 18:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 18:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/24/25 08:54	09/24/25 18:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 18:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/24/25 08:54	09/24/25 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/24/25 08:54*	*09/24/25 18:31*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/24/25 08:54*	*09/24/25 18:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/24/25 18:31	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			09/30/25 10:35	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		09/24/25 10:13	09/30/25 10:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 10:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/24/25 10:13*	*09/30/25 10:35*	*1*
o-Terphenyl	*105*		*70 - 130*	*09/24/25 10:13*	*09/30/25 10:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		9.94		mg/Kg			09/25/25 21:47	1

Client Sample ID: SW-27B

Lab Sample ID: 890-8850-27
Matrix: Solid
Date Collected: 09/23/25 11:10
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 08:54	09/24/25 18:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:54	09/24/25 18:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:54	09/24/25 18:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/24/25 08:54	09/24/25 18:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/24/25 08:54	09/24/25 18:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/24/25 08:54	09/24/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/24/25 08:54*	*09/24/25 18:52*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-27B

Lab Sample ID: 890-8850-27
Matrix: Solid
Date Collected: 09/23/25 11:10
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/24/25 08:54*	*09/24/25 18:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/24/25 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/25 10:50	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		09/24/25 10:13	09/30/25 10:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 10:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*09/24/25 10:13*	*09/30/25 10:50*	*1*
o-Terphenyl	*100*		*70 - 130*	*09/24/25 10:13*	*09/30/25 10:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**173**		10.1		mg/Kg			09/25/25 21:52	1

Client Sample ID: SW-28B

Lab Sample ID: 890-8850-28
Matrix: Solid
Date Collected: 09/23/25 11:15
Date Received: 09/23/25 15:31
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		09/24/25 08:54	09/24/25 19:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 19:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 19:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/24/25 08:54	09/24/25 19:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 19:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/24/25 08:54	09/24/25 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/24/25 08:54*	*09/24/25 19:12*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/24/25 08:54*	*09/24/25 19:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/24/25 19:12	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			09/30/25 11:04	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-28B

Lab Sample ID: 890-8850-28
Matrix: Solid
Date Collected: 09/23/25 11:15
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 10:13	09/30/25 11:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 11:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/24/25 10:13*	*09/30/25 11:04*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/24/25 10:13*	*09/30/25 11:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		10.0		mg/Kg			09/25/25 21:58	1

Client Sample ID: SW-29B

Lab Sample ID: 890-8850-29
Matrix: Solid
Date Collected: 09/23/25 11:20
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 08:54	09/24/25 19:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:54	09/24/25 19:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:54	09/24/25 19:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/24/25 08:54	09/24/25 19:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 08:54	09/24/25 19:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/24/25 08:54	09/24/25 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/24/25 08:54*	*09/24/25 19:33*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*09/24/25 08:54*	*09/24/25 19:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/24/25 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/25 11:18	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		09/24/25 10:13	09/30/25 11:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 11:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/24/25 10:13*	*09/30/25 11:18*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/24/25 10:13*	*09/30/25 11:18*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-29B

Lab Sample ID: 890-8850-29
Matrix: Solid
Date Collected: 09/23/25 11:20
Date Received: 09/23/25 15:31
Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.6		9.94		mg/Kg			09/25/25 22:03	1

Client Sample ID: SW-30B

Lab Sample ID: 890-8850-30
Matrix: Solid
Date Collected: 09/23/25 11:25
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/24/25 08:54	09/24/25 19:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 19:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 19:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 08:54	09/24/25 19:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 08:54	09/24/25 19:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 08:54	09/24/25 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/24/25 08:54*	*09/24/25 19:53*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/24/25 08:54*	*09/24/25 19:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/24/25 19:53	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			09/30/25 16:30	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	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 16:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 16:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/24/25 10:13*	*09/30/25 16:30*	*1*
o-Terphenyl	*118*		*70 - 130*	*09/24/25 10:13*	*09/30/25 16:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		9.92		mg/Kg			09/25/25 22:08	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-31B

Date Collected: 09/23/25 11:30
Date Received: 09/23/25 15:31
Sample Depth: 0-4

Lab Sample ID: 890-8850-31

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		09/24/25 11:29	09/25/25 06:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/24/25 11:29	09/25/25 06:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/24/25 11:29	09/25/25 06:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/24/25 11:29	09/25/25 06:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/24/25 11:29	09/25/25 06:32	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/24/25 11:29	09/25/25 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/24/25 11:29*	*09/25/25 06:32*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/24/25 11:29*	*09/25/25 06:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/25/25 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/30/25 11:47	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	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/30/25 11:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/30/25 11:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/25 10:13	09/30/25 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/24/25 10:13*	*09/30/25 11:47*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/24/25 10:13*	*09/30/25 11:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**258**	**F1**	9.92		mg/Kg			09/24/25 13:05	1

Client Sample ID: SW-32B

Date Collected: 09/23/25 11:35
Date Received: 09/23/25 15:31
Sample Depth: 0-4

Lab Sample ID: 890-8850-32

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		09/24/25 11:29	09/25/25 06:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/24/25 11:29	09/25/25 06:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/24/25 11:29	09/25/25 06:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/24/25 11:29	09/25/25 06:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/24/25 11:29	09/25/25 06:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/24/25 11:29	09/25/25 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*09/24/25 11:29*	*09/25/25 06:52*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-32B

Lab Sample ID: 890-8850-32
Matrix: Solid
Date Collected: 09/23/25 11:35
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*09/24/25 11:29*	*09/25/25 06:52*	*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			09/25/25 06:52	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			09/30/25 16:15	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	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 16:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 16:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/24/25 10:13*	*09/30/25 16:15*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/24/25 10:13*	*09/30/25 16:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		9.94		mg/Kg			09/24/25 13:23	1

Client Sample ID: SW-33B

Lab Sample ID: 890-8850-33
Matrix: Solid
Date Collected: 09/23/25 11:40
Date Received: 09/23/25 15:31
Sample Depth: 0-4

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		09/25/25 09:15	09/25/25 13:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 13:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 13:36	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/25/25 09:15	09/25/25 13:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/25/25 09:15	09/25/25 13:36	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/25/25 09:15	09/25/25 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/25/25 09:15*	*09/25/25 13:36*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/25/25 09:15*	*09/25/25 13:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/25/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/25 16:43	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-33B

Date Collected: 09/23/25 11:40
Date Received: 09/23/25 15:31
Sample Depth: 0-4

Lab Sample ID: 890-8850-33

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	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 16:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 16:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/25 10:13	09/30/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/24/25 10:13*	*09/30/25 16:43*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/24/25 10:13*	*09/30/25 16:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		10.0		mg/Kg			09/24/25 13:29	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy 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)										
890-8850-1	SW-1B	102	103										
890-8850-1 MS	SW-1B	97	97										
890-8850-1 MSD	SW-1B	99	99										
890-8850-2	SW-2B	101	108										
890-8850-3	SW-3B	86	109										
890-8850-4	SW-4B	104	104										
890-8850-5	SW-5B	102	107										
890-8850-6	SW-6B	88	108										
890-8850-7	SW-7B	103	104										
890-8850-8	SW-8B	100	106										
890-8850-9	SW-9B	106	96										
890-8850-10	SW-10B	106	94										
890-8850-11	SW-11B	100	104										
890-8850-12	SW-12B	125	90										
890-8850-13	SW-13B	104	94										
890-8850-14	SW-14B	103	89										
890-8850-15	SW-15B	102	94										
890-8850-16	SW-16B	112	92										
890-8850-17	SW-17B	109	92										
890-8850-18	SW-18B	109	93										
890-8850-19	SW-19B	103	90										
890-8850-20	SW-20B	114	89										
890-8850-21	SW-21B	80	77										
890-8850-22	SW-22B	110	91										
890-8850-23	SW-23B	110	89										
890-8850-24	SW-24B	101	91										
890-8850-25	SW-25B	109	89										
890-8850-26	SW-26B	111	92										
890-8850-27	SW-27B	114	87										
890-8850-28	SW-28B	118	89										
890-8850-29	SW-29B	112	88										
890-8850-30	SW-30B	102	89										
890-8850-31	SW-31B	107	96										
890-8850-32	SW-32B	99	95										
890-8850-33	SW-33B	108	96										
LCS 880-119634/1-A	Lab Control Sample	96	110										
LCS 880-119638/1-A	Lab Control Sample	97	100										
LCS 880-119679/1-A	Lab Control Sample	106	98										
LCS 880-119752/1-A	Lab Control Sample	105	101										
LCSD 880-119634/2-A	Lab Control Sample Dup	96	103										
LCSD 880-119638/2-A	Lab Control Sample Dup	97	98										
LCSD 880-119679/2-A	Lab Control Sample Dup	111	99										
LCSD 880-119752/2-A	Lab Control Sample Dup	111	98										
MB 880-119634/5-A	Method Blank	97	93										
MB 880-119635/5-A	Method Blank	89	103										
MB 880-119638/5-A	Method Blank	95	97										
MB 880-119679/5-A	Method Blank	91	107										
MB 880-119752/5-A	Method Blank	101	93										

Surrogate Legend

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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)										
890-8850-1	SW-1B	87	89										
890-8850-2	SW-2B	84	86										
890-8850-3	SW-3B	88	90										
890-8850-4	SW-4B	86	88										
890-8850-4 MS	SW-4B	79	89										
890-8850-4 MSD	SW-4B	88	104										
890-8850-5	SW-5B	85	86										
890-8850-6	SW-6B	94	98										
890-8850-7	SW-7B	97	99										
890-8850-8	SW-8B	85	84										
890-8850-9	SW-9B	84	88										
890-8850-10	SW-10B	86	87										
890-8850-11	SW-11B	91	96										
890-8850-12	SW-12B	97	99										
890-8850-13	SW-13B	98	103										
890-8850-14	SW-14B	85	96										
890-8850-15	SW-15B	80	88										
890-8850-16	SW-16B	75	81										
890-8850-17	SW-17B	79	86										
890-8850-18	SW-18B	75	84										
890-8850-19	SW-19B	82	89										
890-8850-20	SW-20B	79	86										
890-8850-21	SW-21B	79	89										
890-8850-22	SW-22B	79	90										
890-8850-23	SW-23B	80	88										
890-8850-24	SW-24B	93	107										
890-8850-24 MS	SW-24B	97	106										
890-8850-24 MSD	SW-24B	97	106										
890-8850-25	SW-25B	93	107										
890-8850-26	SW-26B	88	105										
890-8850-27	SW-27B	83	100										
890-8850-28	SW-28B	86	102										
890-8850-29	SW-29B	86	102										
890-8850-30	SW-30B	92	118										
890-8850-31	SW-31B	87	103										
890-8850-32	SW-32B	91	113										
890-8850-33	SW-33B	82	104										
LCS 880-119650/2-A	Lab Control Sample	104	100										
LCS 880-119651/2-A	Lab Control Sample	128	157 S1+										
LCS 880-119652/2-A	Lab Control Sample	126	138 S1+										
LCS 880-119976/2-A	Lab Control Sample	124	142 S1+										
LCSD 880-119650/3-A	Lab Control Sample Dup	105	98										
LCSD 880-119651/3-A	Lab Control Sample Dup	128	154 S1+										
LCSD 880-119652/3-A	Lab Control Sample Dup	128	143 S1+										
LCSD 880-119976/3-A	Lab Control Sample Dup	123	141 S1+										
MB 880-119650/1-A	Method Blank	86	90										
MB 880-119651/1-A	Method Blank	98	112										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8850-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
MB 880-119652/1-A	Method Blank	79	92								
MB 880-119976/1-A	Method Blank	78	98								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-119634/5-A
Matrix: Solid
Analysis Batch: 119631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/24/25 08:54	09/24/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:54	09/24/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/25 08:54	09/24/25 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*09/24/25 08:54*	*09/24/25 11:49*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/24/25 08:54*	*09/24/25 11:49*	*1*

Lab Sample ID: LCS 880-119634/1-A
Matrix: Solid
Analysis Batch: 119631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09459		mg/Kg		95	70 - 130
Toluene	0.100	0.08818		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08620		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1880		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09138		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-119634/2-A
Matrix: Solid
Analysis Batch: 119631

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119634

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09166		mg/Kg		92	70 - 130	3	35
Toluene	0.100	0.08907		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.08798		mg/Kg		88	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1930		mg/Kg		96	70 - 130	3	35
o-Xylene	0.100	0.09467		mg/Kg		95	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-119635/5-A
Matrix: Solid
Analysis Batch: 119632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 11:49	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-119635/5-A
Matrix: Solid
Analysis Batch: 119632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 08:59	09/24/25 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/25 08:59	09/24/25 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*09/24/25 08:59*	*09/24/25 11:49*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/24/25 08:59*	*09/24/25 11:49*	*1*

Lab Sample ID: MB 880-119638/5-A
Matrix: Solid
Analysis Batch: 119629

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119638

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/24/25 09:12	09/24/25 12:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 09:12	09/24/25 12:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 09:12	09/24/25 12:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/24/25 09:12	09/24/25 12:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 09:12	09/24/25 12:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/25 09:12	09/24/25 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*09/24/25 09:12*	*09/24/25 12:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/24/25 09:12*	*09/24/25 12:11*	*1*

Lab Sample ID: LCS 880-119638/1-A
Matrix: Solid
Analysis Batch: 119629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119638

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07603		mg/Kg		76	70 - 130		
Toluene			0.100	0.07447		mg/Kg		74	70 - 130		
Ethylbenzene			0.100	0.07556		mg/Kg		76	70 - 130		
m-Xylene & p-Xylene			0.200	0.1516		mg/Kg		76	70 - 130		
o-Xylene			0.100	0.07707		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-119638/2-A
Matrix: Solid
Analysis Batch: 119629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119638

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07481		mg/Kg		75	70 - 130	2	35
Toluene			0.100	0.07267		mg/Kg		73	70 - 130	2	35
Ethylbenzene			0.100	0.07374		mg/Kg		74	70 - 130	2	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-119638/2-A
Matrix: Solid
Analysis Batch: 119629

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119638

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.1478		mg/Kg		74	70 - 130	3	35
o-Xylene			0.100	0.07548		mg/Kg		75	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-8850-1 MS
Matrix: Solid
Analysis Batch: 119629

Client Sample ID: SW-1B
Prep Type: Total/NA
Prep Batch: 119638

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09108		mg/Kg		91	70 - 130
Toluene	<0.00201	U	0.100	0.08951		mg/Kg		90	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09382		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1888		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.100	0.09323		mg/Kg		93	70 - 130

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

Lab Sample ID: 890-8850-1 MSD
Matrix: Solid
Analysis Batch: 119629

Client Sample ID: SW-1B
Prep Type: Total/NA
Prep Batch: 119638

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08852		mg/Kg		89	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.08767		mg/Kg		88	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.09051		mg/Kg		91	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1818		mg/Kg		91	70 - 130	4	35
o-Xylene	<0.00201	U	0.100	0.09042		mg/Kg		90	70 - 130	3	35

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

Lab Sample ID: MB 880-119679/5-A
Matrix: Solid
Analysis Batch: 119632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/24/25 11:29	09/24/25 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/24/25 11:29	09/24/25 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/24/25 11:29	09/24/25 22:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/24/25 11:29	09/24/25 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/24/25 11:29	09/24/25 22:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/24/25 11:29	09/24/25 22:47	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	09/24/25 11:29	09/24/25 22:47	1
1,4-Difluorobenzene (Surr)	107		70 - 130	09/24/25 11:29	09/24/25 22:47	1

Lab Sample ID: LCS 880-119679/1-A
Matrix: Solid
Analysis Batch: 119632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119679

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1107		mg/Kg		111	70 - 130		
Toluene			0.100	0.1082		mg/Kg		108	70 - 130		
Ethylbenzene			0.100	0.1112		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene			0.200	0.2203		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1110		mg/Kg		111	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-119679/2-A
Matrix: Solid
Analysis Batch: 119632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119679

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1086		mg/Kg		109	70 - 130	2	35
Toluene			0.100	0.1073		mg/Kg		107	70 - 130	1	35
Ethylbenzene			0.100	0.1101		mg/Kg		110	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2207		mg/Kg		110	70 - 130	0	35
o-Xylene			0.100	0.1116		mg/Kg		112	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-119752/5-A
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/25/25 09:15	09/25/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/25/25 09:15	09/25/25 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	09/25/25 09:15	09/25/25 11:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/25/25 09:15	09/25/25 11:32	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-119752/1-A
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09432		mg/Kg		94	70 - 130		
Toluene			0.100	0.09214		mg/Kg		92	70 - 130		
Ethylbenzene			0.100	0.08873		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1930		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.09318		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-119752/2-A
Matrix: Solid
Analysis Batch: 119725

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119752

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09673		mg/Kg		97	70 - 130	3	35
Toluene			0.100	0.09450		mg/Kg		95	70 - 130	3	35
Ethylbenzene			0.100	0.09218		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2013		mg/Kg		101	70 - 130	4	35
o-Xylene			0.100	0.09813		mg/Kg		98	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-119650/1-A
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119650

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		09/24/25 10:13	09/29/25 20:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 20:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 20:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/24/25 10:13*	*09/29/25 20:05*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/24/25 10:13*	*09/29/25 20:05*	*1*

Lab Sample ID: LCS 880-119650/2-A
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119650

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	948.7		mg/Kg		95	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-119650/2-A
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119650

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	907.8		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: LCSD 880-119650/3-A
Matrix: Solid
Analysis Batch: 119968

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119650

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	959.9		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	900.3		mg/Kg		90	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: MB 880-119651/1-A
Matrix: Solid
Analysis Batch: 119937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119651

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		09/24/25 10:13	09/28/25 02:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 02:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/28/25 02:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*09/24/25 10:13*	*09/28/25 02:34*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/24/25 10:13*	*09/28/25 02:34*	*1*

Lab Sample ID: LCS 880-119651/2-A
Matrix: Solid
Analysis Batch: 119937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119651

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1104		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1118		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*157*	*S1+*	*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-119651/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 119937 — **Prep Batch: 119651**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1099		mg/Kg		110	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1120		mg/Kg		112	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*154*	*S1+*	*70 - 130*

Lab Sample ID: 890-8850-4 MS — **Client Sample ID: SW-4B**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 119937 — **Prep Batch: 119651**

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	998	672.7	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	672.2	F1	mg/Kg		67	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: 890-8850-4 MSD — **Client Sample ID: SW-4B**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 119937 — **Prep Batch: 119651**

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	998	776.5		mg/Kg		78	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	788.5		mg/Kg		79	70 - 130	16	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: MB 880-119652/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 119972 — **Prep Batch: 119652**

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		09/24/25 10:13	09/29/25 22:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 22:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 22:25	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-119652/1-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119652

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	09/24/25 10:13	09/29/25 22:25	1
o-Terphenyl	92		70 - 130	09/24/25 10:13	09/29/25 22:25	1

Lab Sample ID: LCS 880-119652/2-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119652

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1032		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1135		mg/Kg		114	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: LCSD 880-119652/3-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119652

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1032		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1155		mg/Kg		115	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	143	S1+	70 - 130

Lab Sample ID: 890-8850-24 MS
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: SW-24B
Prep Type: Total/NA
Prep Batch: 119652

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	995	770.1		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	840.7		mg/Kg		84	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	106		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8850-24 MSD | **Client Sample ID: SW-24B**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 119972 | **Prep Batch: 119652**

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	995	770.2		mg/Kg		77	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	858.0		mg/Kg		86	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: MB 880-119976/1-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 119972 | **Prep Batch: 119976**

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		09/29/25 11:54	09/29/25 11:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 11:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 11:54	09/29/25 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*09/29/25 11:54*	*09/29/25 11:39*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/29/25 11:54*	*09/29/25 11:39*	*1*

Lab Sample ID: LCS 880-119976/2-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 119972 | **Prep Batch: 119976**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	996.4		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1184		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*142*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-119976/3-A | **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 119972 | **Prep Batch: 119976**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	998.1		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1161		mg/Kg		116	70 - 130	2	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-119976/3-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119976

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	141	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119628/1-A
Matrix: Solid
Analysis Batch: 119669

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			09/24/25 11:25	1

Lab Sample ID: LCS 880-119628/2-A
Matrix: Solid
Analysis Batch: 119669

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-119628/3-A
Matrix: Solid
Analysis Batch: 119669

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	256.1		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-8850-31 MS
Matrix: Solid
Analysis Batch: 119669

Client Sample ID: SW-31B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	258	F1	248	349.4	F1	mg/Kg		37	90 - 110

Lab Sample ID: 890-8850-31 MSD
Matrix: Solid
Analysis Batch: 119669

Client Sample ID: SW-31B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	258	F1	248	342.5	F1	mg/Kg		34	90 - 110	2	20

Lab Sample ID: MB 880-119667/1-A
Matrix: Solid
Analysis Batch: 119812

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			09/25/25 17:13	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-119667/2-A
Matrix: Solid
Analysis Batch: 119812

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.3		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-119667/3-A
Matrix: Solid
Analysis Batch: 119812

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	255.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-8850-1 MS
Matrix: Solid
Analysis Batch: 119812

Client Sample ID: SW-1B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	83.6		249	345.3		mg/Kg		105	90 - 110		

Lab Sample ID: 890-8850-1 MSD
Matrix: Solid
Analysis Batch: 119812

Client Sample ID: SW-1B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	83.6		249	350.4		mg/Kg		107	90 - 110	1	20

Lab Sample ID: MB 880-119668/1-A
Matrix: Solid
Analysis Batch: 119814

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			09/25/25 19:31	1

Lab Sample ID: LCS 880-119668/2-A
Matrix: Solid
Analysis Batch: 119814

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.0		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-119668/3-A
Matrix: Solid
Analysis Batch: 119814

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	251.1		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-8850-11 MS
Matrix: Solid
Analysis Batch: 119814

Client Sample ID: SW-11B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	88.8		249	341.7		mg/Kg		102	90 - 110		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8850-11 MSD
Matrix: Solid
Analysis Batch: 119814

Client Sample ID: SW-11B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	88.8		249	343.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-8850-21 MS
Matrix: Solid
Analysis Batch: 119814

Client Sample ID: SW-21B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	87.9		253	342.6		mg/Kg		101	90 - 110

Lab Sample ID: 890-8850-21 MSD
Matrix: Solid
Analysis Batch: 119814

Client Sample ID: SW-21B
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	87.9		253	343.4		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 119629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-1	SW-1B	Total/NA	Solid	8021B	119638
890-8850-2	SW-2B	Total/NA	Solid	8021B	119638
890-8850-3	SW-3B	Total/NA	Solid	8021B	119638
890-8850-4	SW-4B	Total/NA	Solid	8021B	119638
890-8850-5	SW-5B	Total/NA	Solid	8021B	119638
890-8850-6	SW-6B	Total/NA	Solid	8021B	119638
890-8850-7	SW-7B	Total/NA	Solid	8021B	119638
890-8850-8	SW-8B	Total/NA	Solid	8021B	119638
890-8850-11	SW-11B	Total/NA	Solid	8021B	119638
MB 880-119638/5-A	Method Blank	Total/NA	Solid	8021B	119638
LCS 880-119638/1-A	Lab Control Sample	Total/NA	Solid	8021B	119638
LCSD 880-119638/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119638
890-8850-1 MS	SW-1B	Total/NA	Solid	8021B	119638
890-8850-1 MSD	SW-1B	Total/NA	Solid	8021B	119638

Analysis Batch: 119631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-21	SW-21B	Total/NA	Solid	8021B	119634
890-8850-22	SW-22B	Total/NA	Solid	8021B	119634
890-8850-23	SW-23B	Total/NA	Solid	8021B	119634
890-8850-24	SW-24B	Total/NA	Solid	8021B	119634
890-8850-25	SW-25B	Total/NA	Solid	8021B	119634
890-8850-26	SW-26B	Total/NA	Solid	8021B	119634
890-8850-27	SW-27B	Total/NA	Solid	8021B	119634
890-8850-28	SW-28B	Total/NA	Solid	8021B	119634
890-8850-29	SW-29B	Total/NA	Solid	8021B	119634
890-8850-30	SW-30B	Total/NA	Solid	8021B	119634
MB 880-119634/5-A	Method Blank	Total/NA	Solid	8021B	119634
LCS 880-119634/1-A	Lab Control Sample	Total/NA	Solid	8021B	119634
LCSD 880-119634/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119634

Analysis Batch: 119632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-9	SW-9B	Total/NA	Solid	8021B	119679
890-8850-10	SW-10B	Total/NA	Solid	8021B	119679
890-8850-31	SW-31B	Total/NA	Solid	8021B	119679
890-8850-32	SW-32B	Total/NA	Solid	8021B	119679
MB 880-119635/5-A	Method Blank	Total/NA	Solid	8021B	119635
MB 880-119679/5-A	Method Blank	Total/NA	Solid	8021B	119679
LCS 880-119679/1-A	Lab Control Sample	Total/NA	Solid	8021B	119679
LCSD 880-119679/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119679

Prep Batch: 119634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-21	SW-21B	Total/NA	Solid	5035	
890-8850-22	SW-22B	Total/NA	Solid	5035	
890-8850-23	SW-23B	Total/NA	Solid	5035	
890-8850-24	SW-24B	Total/NA	Solid	5035	
890-8850-25	SW-25B	Total/NA	Solid	5035	
890-8850-26	SW-26B	Total/NA	Solid	5035	
890-8850-27	SW-27B	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 119634 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-28	SW-28B	Total/NA	Solid	5035	
890-8850-29	SW-29B	Total/NA	Solid	5035	
890-8850-30	SW-30B	Total/NA	Solid	5035	
MB 880-119634/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119634/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119634/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 119635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-119635/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 119638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-1	SW-1B	Total/NA	Solid	5035	
890-8850-2	SW-2B	Total/NA	Solid	5035	
890-8850-3	SW-3B	Total/NA	Solid	5035	
890-8850-4	SW-4B	Total/NA	Solid	5035	
890-8850-5	SW-5B	Total/NA	Solid	5035	
890-8850-6	SW-6B	Total/NA	Solid	5035	
890-8850-7	SW-7B	Total/NA	Solid	5035	
890-8850-8	SW-8B	Total/NA	Solid	5035	
890-8850-11	SW-11B	Total/NA	Solid	5035	
MB 880-119638/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119638/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119638/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8850-1 MS	SW-1B	Total/NA	Solid	5035	
890-8850-1 MSD	SW-1B	Total/NA	Solid	5035	

Prep Batch: 119679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-9	SW-9B	Total/NA	Solid	5035	
890-8850-10	SW-10B	Total/NA	Solid	5035	
890-8850-31	SW-31B	Total/NA	Solid	5035	
890-8850-32	SW-32B	Total/NA	Solid	5035	
MB 880-119679/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119679/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119679/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 119710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-1	SW-1B	Total/NA	Solid	Total BTEX	
890-8850-2	SW-2B	Total/NA	Solid	Total BTEX	
890-8850-3	SW-3B	Total/NA	Solid	Total BTEX	
890-8850-4	SW-4B	Total/NA	Solid	Total BTEX	
890-8850-5	SW-5B	Total/NA	Solid	Total BTEX	
890-8850-6	SW-6B	Total/NA	Solid	Total BTEX	
890-8850-7	SW-7B	Total/NA	Solid	Total BTEX	
890-8850-8	SW-8B	Total/NA	Solid	Total BTEX	
890-8850-9	SW-9B	Total/NA	Solid	Total BTEX	
890-8850-10	SW-10B	Total/NA	Solid	Total BTEX	
890-8850-11	SW-11B	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 119710 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-12	SW-12B	Total/NA	Solid	Total BTEX	
890-8850-13	SW-13B	Total/NA	Solid	Total BTEX	
890-8850-14	SW-14B	Total/NA	Solid	Total BTEX	
890-8850-15	SW-15B	Total/NA	Solid	Total BTEX	
890-8850-16	SW-16B	Total/NA	Solid	Total BTEX	
890-8850-17	SW-17B	Total/NA	Solid	Total BTEX	
890-8850-18	SW-18B	Total/NA	Solid	Total BTEX	
890-8850-19	SW-19B	Total/NA	Solid	Total BTEX	
890-8850-20	SW-20B	Total/NA	Solid	Total BTEX	
890-8850-21	SW-21B	Total/NA	Solid	Total BTEX	
890-8850-22	SW-22B	Total/NA	Solid	Total BTEX	
890-8850-23	SW-23B	Total/NA	Solid	Total BTEX	
890-8850-24	SW-24B	Total/NA	Solid	Total BTEX	
890-8850-25	SW-25B	Total/NA	Solid	Total BTEX	
890-8850-26	SW-26B	Total/NA	Solid	Total BTEX	
890-8850-27	SW-27B	Total/NA	Solid	Total BTEX	
890-8850-28	SW-28B	Total/NA	Solid	Total BTEX	
890-8850-29	SW-29B	Total/NA	Solid	Total BTEX	
890-8850-30	SW-30B	Total/NA	Solid	Total BTEX	
890-8850-31	SW-31B	Total/NA	Solid	Total BTEX	
890-8850-32	SW-32B	Total/NA	Solid	Total BTEX	
890-8850-33	SW-33B	Total/NA	Solid	Total BTEX	

Analysis Batch: 119725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-12	SW-12B	Total/NA	Solid	8021B	119752
890-8850-13	SW-13B	Total/NA	Solid	8021B	119752
890-8850-14	SW-14B	Total/NA	Solid	8021B	119752
890-8850-15	SW-15B	Total/NA	Solid	8021B	119752
890-8850-16	SW-16B	Total/NA	Solid	8021B	119752
890-8850-17	SW-17B	Total/NA	Solid	8021B	119752
890-8850-18	SW-18B	Total/NA	Solid	8021B	119752
890-8850-19	SW-19B	Total/NA	Solid	8021B	119752
890-8850-20	SW-20B	Total/NA	Solid	8021B	119752
890-8850-33	SW-33B	Total/NA	Solid	8021B	119752
MB 880-119752/5-A	Method Blank	Total/NA	Solid	8021B	119752
LCS 880-119752/1-A	Lab Control Sample	Total/NA	Solid	8021B	119752
LCSD 880-119752/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119752

Prep Batch: 119752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-12	SW-12B	Total/NA	Solid	5035	
890-8850-13	SW-13B	Total/NA	Solid	5035	
890-8850-14	SW-14B	Total/NA	Solid	5035	
890-8850-15	SW-15B	Total/NA	Solid	5035	
890-8850-16	SW-16B	Total/NA	Solid	5035	
890-8850-17	SW-17B	Total/NA	Solid	5035	
890-8850-18	SW-18B	Total/NA	Solid	5035	
890-8850-19	SW-19B	Total/NA	Solid	5035	
890-8850-20	SW-20B	Total/NA	Solid	5035	
890-8850-33	SW-33B	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 119752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-119752/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119752/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119752/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 119650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-1	SW-1B	Total/NA	Solid	8015NM Prep	
890-8850-2	SW-2B	Total/NA	Solid	8015NM Prep	
890-8850-3	SW-3B	Total/NA	Solid	8015NM Prep	
MB 880-119650/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119650/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119650/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 119651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-4	SW-4B	Total/NA	Solid	8015NM Prep	
890-8850-5	SW-5B	Total/NA	Solid	8015NM Prep	
890-8850-6	SW-6B	Total/NA	Solid	8015NM Prep	
890-8850-7	SW-7B	Total/NA	Solid	8015NM Prep	
890-8850-8	SW-8B	Total/NA	Solid	8015NM Prep	
890-8850-9	SW-9B	Total/NA	Solid	8015NM Prep	
890-8850-10	SW-10B	Total/NA	Solid	8015NM Prep	
890-8850-11	SW-11B	Total/NA	Solid	8015NM Prep	
890-8850-12	SW-12B	Total/NA	Solid	8015NM Prep	
890-8850-13	SW-13B	Total/NA	Solid	8015NM Prep	
MB 880-119651/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119651/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8850-4 MS	SW-4B	Total/NA	Solid	8015NM Prep	
890-8850-4 MSD	SW-4B	Total/NA	Solid	8015NM Prep	

Prep Batch: 119652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-24	SW-24B	Total/NA	Solid	8015NM Prep	
890-8850-25	SW-25B	Total/NA	Solid	8015NM Prep	
890-8850-26	SW-26B	Total/NA	Solid	8015NM Prep	
890-8850-27	SW-27B	Total/NA	Solid	8015NM Prep	
890-8850-28	SW-28B	Total/NA	Solid	8015NM Prep	
890-8850-29	SW-29B	Total/NA	Solid	8015NM Prep	
890-8850-30	SW-30B	Total/NA	Solid	8015NM Prep	
890-8850-31	SW-31B	Total/NA	Solid	8015NM Prep	
890-8850-32	SW-32B	Total/NA	Solid	8015NM Prep	
890-8850-33	SW-33B	Total/NA	Solid	8015NM Prep	
MB 880-119652/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119652/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8850-24 MS	SW-24B	Total/NA	Solid	8015NM Prep	
890-8850-24 MSD	SW-24B	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 119937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-4	SW-4B	Total/NA	Solid	8015B NM	119651
890-8850-5	SW-5B	Total/NA	Solid	8015B NM	119651
890-8850-6	SW-6B	Total/NA	Solid	8015B NM	119651
890-8850-7	SW-7B	Total/NA	Solid	8015B NM	119651
890-8850-8	SW-8B	Total/NA	Solid	8015B NM	119651
890-8850-9	SW-9B	Total/NA	Solid	8015B NM	119651
890-8850-10	SW-10B	Total/NA	Solid	8015B NM	119651
890-8850-11	SW-11B	Total/NA	Solid	8015B NM	119651
890-8850-12	SW-12B	Total/NA	Solid	8015B NM	119651
890-8850-13	SW-13B	Total/NA	Solid	8015B NM	119651
MB 880-119651/1-A	Method Blank	Total/NA	Solid	8015B NM	119651
LCS 880-119651/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119651
LCSD 880-119651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119651
890-8850-4 MS	SW-4B	Total/NA	Solid	8015B NM	119651
890-8850-4 MSD	SW-4B	Total/NA	Solid	8015B NM	119651

Analysis Batch: 119968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-1	SW-1B	Total/NA	Solid	8015B NM	119650
890-8850-2	SW-2B	Total/NA	Solid	8015B NM	119650
890-8850-3	SW-3B	Total/NA	Solid	8015B NM	119650
MB 880-119650/1-A	Method Blank	Total/NA	Solid	8015B NM	119650
LCS 880-119650/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119650
LCSD 880-119650/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119650

Analysis Batch: 119972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-14	SW-14B	Total/NA	Solid	8015B NM	119976
890-8850-15	SW-15B	Total/NA	Solid	8015B NM	119976
890-8850-16	SW-16B	Total/NA	Solid	8015B NM	119976
890-8850-17	SW-17B	Total/NA	Solid	8015B NM	119976
890-8850-18	SW-18B	Total/NA	Solid	8015B NM	119976
890-8850-19	SW-19B	Total/NA	Solid	8015B NM	119976
890-8850-20	SW-20B	Total/NA	Solid	8015B NM	119976
890-8850-21	SW-21B	Total/NA	Solid	8015B NM	119976
890-8850-22	SW-22B	Total/NA	Solid	8015B NM	119976
890-8850-23	SW-23B	Total/NA	Solid	8015B NM	119976
890-8850-24	SW-24B	Total/NA	Solid	8015B NM	119652
890-8850-25	SW-25B	Total/NA	Solid	8015B NM	119652
890-8850-26	SW-26B	Total/NA	Solid	8015B NM	119652
890-8850-27	SW-27B	Total/NA	Solid	8015B NM	119652
890-8850-28	SW-28B	Total/NA	Solid	8015B NM	119652
890-8850-29	SW-29B	Total/NA	Solid	8015B NM	119652
890-8850-30	SW-30B	Total/NA	Solid	8015B NM	119652
890-8850-31	SW-31B	Total/NA	Solid	8015B NM	119652
890-8850-32	SW-32B	Total/NA	Solid	8015B NM	119652
890-8850-33	SW-33B	Total/NA	Solid	8015B NM	119652
MB 880-119652/1-A	Method Blank	Total/NA	Solid	8015B NM	119652
MB 880-119976/1-A	Method Blank	Total/NA	Solid	8015B NM	119976
LCS 880-119652/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119652
LCS 880-119976/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119976

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 119972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-119652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119652
LCSD 880-119976/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119976
890-8850-24 MS	SW-24B	Total/NA	Solid	8015B NM	119652
890-8850-24 MSD	SW-24B	Total/NA	Solid	8015B NM	119652

Prep Batch: 119976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-14	SW-14B	Total/NA	Solid	8015NM Prep	
890-8850-15	SW-15B	Total/NA	Solid	8015NM Prep	
890-8850-16	SW-16B	Total/NA	Solid	8015NM Prep	
890-8850-17	SW-17B	Total/NA	Solid	8015NM Prep	
890-8850-18	SW-18B	Total/NA	Solid	8015NM Prep	
890-8850-19	SW-19B	Total/NA	Solid	8015NM Prep	
890-8850-20	SW-20B	Total/NA	Solid	8015NM Prep	
890-8850-21	SW-21B	Total/NA	Solid	8015NM Prep	
890-8850-22	SW-22B	Total/NA	Solid	8015NM Prep	
890-8850-23	SW-23B	Total/NA	Solid	8015NM Prep	
MB 880-119976/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119976/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119976/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-1	SW-1B	Total/NA	Solid	8015 NM	
890-8850-2	SW-2B	Total/NA	Solid	8015 NM	
890-8850-3	SW-3B	Total/NA	Solid	8015 NM	
890-8850-4	SW-4B	Total/NA	Solid	8015 NM	
890-8850-5	SW-5B	Total/NA	Solid	8015 NM	
890-8850-6	SW-6B	Total/NA	Solid	8015 NM	
890-8850-7	SW-7B	Total/NA	Solid	8015 NM	
890-8850-8	SW-8B	Total/NA	Solid	8015 NM	
890-8850-9	SW-9B	Total/NA	Solid	8015 NM	
890-8850-10	SW-10B	Total/NA	Solid	8015 NM	
890-8850-11	SW-11B	Total/NA	Solid	8015 NM	
890-8850-12	SW-12B	Total/NA	Solid	8015 NM	
890-8850-13	SW-13B	Total/NA	Solid	8015 NM	
890-8850-14	SW-14B	Total/NA	Solid	8015 NM	
890-8850-15	SW-15B	Total/NA	Solid	8015 NM	
890-8850-16	SW-16B	Total/NA	Solid	8015 NM	
890-8850-17	SW-17B	Total/NA	Solid	8015 NM	
890-8850-18	SW-18B	Total/NA	Solid	8015 NM	
890-8850-19	SW-19B	Total/NA	Solid	8015 NM	
890-8850-20	SW-20B	Total/NA	Solid	8015 NM	
890-8850-21	SW-21B	Total/NA	Solid	8015 NM	
890-8850-22	SW-22B	Total/NA	Solid	8015 NM	
890-8850-23	SW-23B	Total/NA	Solid	8015 NM	
890-8850-24	SW-24B	Total/NA	Solid	8015 NM	
890-8850-25	SW-25B	Total/NA	Solid	8015 NM	
890-8850-26	SW-26B	Total/NA	Solid	8015 NM	
890-8850-27	SW-27B	Total/NA	Solid	8015 NM	
890-8850-28	SW-28B	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 120010 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-29	SW-29B	Total/NA	Solid	8015 NM	
890-8850-30	SW-30B	Total/NA	Solid	8015 NM	
890-8850-31	SW-31B	Total/NA	Solid	8015 NM	
890-8850-32	SW-32B	Total/NA	Solid	8015 NM	
890-8850-33	SW-33B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 119628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-31	SW-31B	Soluble	Solid	DI Leach	
890-8850-32	SW-32B	Soluble	Solid	DI Leach	
890-8850-33	SW-33B	Soluble	Solid	DI Leach	
MB 880-119628/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119628/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119628/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8850-31 MS	SW-31B	Soluble	Solid	DI Leach	
890-8850-31 MSD	SW-31B	Soluble	Solid	DI Leach	

Leach Batch: 119667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-1	SW-1B	Soluble	Solid	DI Leach	
890-8850-2	SW-2B	Soluble	Solid	DI Leach	
890-8850-3	SW-3B	Soluble	Solid	DI Leach	
890-8850-4	SW-4B	Soluble	Solid	DI Leach	
890-8850-5	SW-5B	Soluble	Solid	DI Leach	
890-8850-6	SW-6B	Soluble	Solid	DI Leach	
890-8850-7	SW-7B	Soluble	Solid	DI Leach	
890-8850-8	SW-8B	Soluble	Solid	DI Leach	
890-8850-9	SW-9B	Soluble	Solid	DI Leach	
890-8850-10	SW-10B	Soluble	Solid	DI Leach	
MB 880-119667/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119667/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119667/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8850-1 MS	SW-1B	Soluble	Solid	DI Leach	
890-8850-1 MSD	SW-1B	Soluble	Solid	DI Leach	

Leach Batch: 119668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-11	SW-11B	Soluble	Solid	DI Leach	
890-8850-12	SW-12B	Soluble	Solid	DI Leach	
890-8850-13	SW-13B	Soluble	Solid	DI Leach	
890-8850-14	SW-14B	Soluble	Solid	DI Leach	
890-8850-15	SW-15B	Soluble	Solid	DI Leach	
890-8850-16	SW-16B	Soluble	Solid	DI Leach	
890-8850-17	SW-17B	Soluble	Solid	DI Leach	
890-8850-18	SW-18B	Soluble	Solid	DI Leach	
890-8850-19	SW-19B	Soluble	Solid	DI Leach	
890-8850-20	SW-20B	Soluble	Solid	DI Leach	
890-8850-21	SW-21B	Soluble	Solid	DI Leach	
890-8850-22	SW-22B	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 119668 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-23	SW-23B	Soluble	Solid	DI Leach	
890-8850-24	SW-24B	Soluble	Solid	DI Leach	
890-8850-25	SW-25B	Soluble	Solid	DI Leach	
890-8850-26	SW-26B	Soluble	Solid	DI Leach	
890-8850-27	SW-27B	Soluble	Solid	DI Leach	
890-8850-28	SW-28B	Soluble	Solid	DI Leach	
890-8850-29	SW-29B	Soluble	Solid	DI Leach	
890-8850-30	SW-30B	Soluble	Solid	DI Leach	
MB 880-119668/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119668/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119668/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8850-11 MS	SW-11B	Soluble	Solid	DI Leach	
890-8850-11 MSD	SW-11B	Soluble	Solid	DI Leach	
890-8850-21 MS	SW-21B	Soluble	Solid	DI Leach	
890-8850-21 MSD	SW-21B	Soluble	Solid	DI Leach	

Analysis Batch: 119669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-31	SW-31B	Soluble	Solid	300.0	119628
890-8850-32	SW-32B	Soluble	Solid	300.0	119628
890-8850-33	SW-33B	Soluble	Solid	300.0	119628
MB 880-119628/1-A	Method Blank	Soluble	Solid	300.0	119628
LCS 880-119628/2-A	Lab Control Sample	Soluble	Solid	300.0	119628
LCSD 880-119628/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119628
890-8850-31 MS	SW-31B	Soluble	Solid	300.0	119628
890-8850-31 MSD	SW-31B	Soluble	Solid	300.0	119628

Analysis Batch: 119812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-1	SW-1B	Soluble	Solid	300.0	119667
890-8850-2	SW-2B	Soluble	Solid	300.0	119667
890-8850-3	SW-3B	Soluble	Solid	300.0	119667
890-8850-4	SW-4B	Soluble	Solid	300.0	119667
890-8850-5	SW-5B	Soluble	Solid	300.0	119667
890-8850-6	SW-6B	Soluble	Solid	300.0	119667
890-8850-7	SW-7B	Soluble	Solid	300.0	119667
890-8850-8	SW-8B	Soluble	Solid	300.0	119667
890-8850-9	SW-9B	Soluble	Solid	300.0	119667
890-8850-10	SW-10B	Soluble	Solid	300.0	119667
MB 880-119667/1-A	Method Blank	Soluble	Solid	300.0	119667
LCS 880-119667/2-A	Lab Control Sample	Soluble	Solid	300.0	119667
LCSD 880-119667/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119667
890-8850-1 MS	SW-1B	Soluble	Solid	300.0	119667
890-8850-1 MSD	SW-1B	Soluble	Solid	300.0	119667

Analysis Batch: 119814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-11	SW-11B	Soluble	Solid	300.0	119668
890-8850-12	SW-12B	Soluble	Solid	300.0	119668
890-8850-13	SW-13B	Soluble	Solid	300.0	119668
890-8850-14	SW-14B	Soluble	Solid	300.0	119668

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 119814 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8850-15	SW-15B	Soluble	Solid	300.0	119668
890-8850-16	SW-16B	Soluble	Solid	300.0	119668
890-8850-17	SW-17B	Soluble	Solid	300.0	119668
890-8850-18	SW-18B	Soluble	Solid	300.0	119668
890-8850-19	SW-19B	Soluble	Solid	300.0	119668
890-8850-20	SW-20B	Soluble	Solid	300.0	119668
890-8850-21	SW-21B	Soluble	Solid	300.0	119668
890-8850-22	SW-22B	Soluble	Solid	300.0	119668
890-8850-23	SW-23B	Soluble	Solid	300.0	119668
890-8850-24	SW-24B	Soluble	Solid	300.0	119668
890-8850-25	SW-25B	Soluble	Solid	300.0	119668
890-8850-26	SW-26B	Soluble	Solid	300.0	119668
890-8850-27	SW-27B	Soluble	Solid	300.0	119668
890-8850-28	SW-28B	Soluble	Solid	300.0	119668
890-8850-29	SW-29B	Soluble	Solid	300.0	119668
890-8850-30	SW-30B	Soluble	Solid	300.0	119668
MB 880-119668/1-A	Method Blank	Soluble	Solid	300.0	119668
LCS 880-119668/2-A	Lab Control Sample	Soluble	Solid	300.0	119668
LCSD 880-119668/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119668
890-8850-11 MS	SW-11B	Soluble	Solid	300.0	119668
890-8850-11 MSD	SW-11B	Soluble	Solid	300.0	119668
890-8850-21 MS	SW-21B	Soluble	Solid	300.0	119668
890-8850-21 MSD	SW-21B	Soluble	Solid	300.0	119668

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-1B
Date Collected: 09/23/25 09:00
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-1
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			4.98 g	5 mL	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 12:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 02:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 02:04	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 18:53	CS	EET MID

Client Sample ID: SW-2B
Date Collected: 09/23/25 09:05
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-2
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			5.03 g	5 mL	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 12:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 02:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 02:20	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 19:11	CS	EET MID

Client Sample ID: SW-3B
Date Collected: 09/23/25 09:10
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-3
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			5.01 g	5 mL	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 13:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 02:34	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	119650	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119968	09/30/25 02:34	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 19:17	CS	EET MID

Client Sample ID: SW-4B
Date Collected: 09/23/25 09:15
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-4
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	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 13:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 13:34	AJ	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8850-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: SW-4B
Lab Sample ID: 890-8850-4
Date Collected: 09/23/25 09:15
Matrix: Solid
Date Received: 09/23/25 15:31

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			120010	09/28/25 03:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 03:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 19:35	CS	EET MID

Client Sample ID: SW-5B
Lab Sample ID: 890-8850-5
Date Collected: 09/23/25 09:20
Matrix: Solid
Date Received: 09/23/25 15:31

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	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 13:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 04:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 04:05	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 19:41	CS	EET MID

Client Sample ID: SW-6B
Lab Sample ID: 890-8850-6
Date Collected: 09/23/25 09:25
Matrix: Solid
Date Received: 09/23/25 15:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 14:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 04:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 04:20	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 19:46	CS	EET MID

Client Sample ID: SW-7B
Lab Sample ID: 890-8850-7
Date Collected: 09/23/25 09:30
Matrix: Solid
Date Received: 09/23/25 15:31

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	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 14:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 04:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 04:36	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-7B
Date Collected: 09/23/25 09:30
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-7
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			4.99 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 19:52	CS	EET MID

Client Sample ID: SW-8B
Date Collected: 09/23/25 09:35
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-8
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	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 14:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 14:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 04:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 04:51	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 19:58	CS	EET MID

Client Sample ID: SW-9B
Date Collected: 09/23/25 09:40
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-9
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	119679	09/24/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/25/25 05:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 05:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 05:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 05:05	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 20:04	CS	EET MID

Client Sample ID: SW-10B
Date Collected: 09/23/25 09:45
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-10
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	119679	09/24/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/25/25 06:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 06:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 05:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 05:21	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119667	09/24/25 10:52	SA	EET MID
Soluble	Analysis	300.0		1			119812	09/25/25 20:10	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8850-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: SW-11B
Lab Sample ID: 890-8850-11
Date Collected: 09/23/25 09:50
Matrix: Solid
Date Received: 09/23/25 15:31

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	119638	09/24/25 09:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119629	09/24/25 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 16:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 05:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 05:36	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 19:47	CS	EET MID

Client Sample ID: SW-12B
Lab Sample ID: 890-8850-12
Date Collected: 09/23/25 09:55
Matrix: Solid
Date Received: 09/23/25 15:31

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	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 16:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 16:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 05:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 05:52	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:02	CS	EET MID

Client Sample ID: SW-13B
Lab Sample ID: 890-8850-13
Date Collected: 09/23/25 10:00
Matrix: Solid
Date Received: 09/23/25 15:31

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	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 16:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 16:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/28/25 06:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119651	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119937	09/28/25 06:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:08	CS	EET MID

Client Sample ID: SW-14B
Lab Sample ID: 890-8850-14
Date Collected: 09/23/25 10:05
Matrix: Solid
Date Received: 09/23/25 15:31

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	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 17:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 17:12	AJ	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8850-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: SW-14B
Lab Sample ID: 890-8850-14
Date Collected: 09/23/25 10:05
Matrix: Solid
Date Received: 09/23/25 15:31

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			120010	09/29/25 19:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 19:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:13	CS	EET MID

Client Sample ID: SW-15B
Lab Sample ID: 890-8850-15
Date Collected: 09/23/25 10:10
Matrix: Solid
Date Received: 09/23/25 15:31

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	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 17:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 19:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 19:17	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:18	CS	EET MID

Client Sample ID: SW-16B
Lab Sample ID: 890-8850-16
Date Collected: 09/23/25 10:15
Matrix: Solid
Date Received: 09/23/25 15:31

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	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 17:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 19:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 19:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:34	CS	EET MID

Client Sample ID: SW-17B
Lab Sample ID: 890-8850-17
Date Collected: 09/23/25 10:20
Matrix: Solid
Date Received: 09/23/25 15:31

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	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 18:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 19:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 19:45	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-17B
Date Collected: 09/23/25 10:20
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-17
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			5.01 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:39	CS	EET MID

Client Sample ID: SW-18B
Date Collected: 09/23/25 10:25
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 18:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 20:00	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 20:00	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:44	CS	EET MID

Client Sample ID: SW-19B
Date Collected: 09/23/25 10:30
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-19
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			5.01 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 18:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 20:14	SA	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 20:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:49	CS	EET MID

Client Sample ID: SW-20B
Date Collected: 09/23/25 10:35
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 19:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 20:29	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 20:29	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 20:55	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-21B

Lab Sample ID: 890-8850-21
Matrix: Solid
Date Collected: 09/23/25 10:40
Date Received: 09/23/25 15:31

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	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 16:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 20:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 20:43	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 21:00	CS	EET MID

Client Sample ID: SW-22B

Lab Sample ID: 890-8850-22
Matrix: Solid
Date Collected: 09/23/25 10:45
Date Received: 09/23/25 15:31

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	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 17:09	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 20:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 20:57	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 21:16	CS	EET MID

Client Sample ID: SW-23B

Lab Sample ID: 890-8850-23
Matrix: Solid
Date Collected: 09/23/25 10:50
Date Received: 09/23/25 15:31

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	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 17:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 21:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119976	09/29/25 11:54	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 21:12	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 21:21	CS	EET MID

Client Sample ID: SW-24B

Lab Sample ID: 890-8850-24
Matrix: Solid
Date Collected: 09/23/25 10:55
Date Received: 09/23/25 15:31

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	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 17:50	AJ	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8850-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: SW-24B
Lab Sample ID: 890-8850-24
Date Collected: 09/23/25 10:55
Matrix: Solid
Date Received: 09/23/25 15:31

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			120010	09/29/25 23:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 23:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 21:37	CS	EET MID

Client Sample ID: SW-25B
Lab Sample ID: 890-8850-25
Date Collected: 09/23/25 11:00
Matrix: Solid
Date Received: 09/23/25 15:31

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	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 18:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/29/25 23:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/29/25 23:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 21:42	CS	EET MID

Client Sample ID: SW-26B
Lab Sample ID: 890-8850-26
Date Collected: 09/23/25 11:05
Matrix: Solid
Date Received: 09/23/25 15:31

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	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 18:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 10:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 10:35	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 21:47	CS	EET MID

Client Sample ID: SW-27B
Lab Sample ID: 890-8850-27
Date Collected: 09/23/25 11:10
Matrix: Solid
Date Received: 09/23/25 15:31

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	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 18:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 10:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 10:50	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Client Sample ID: SW-27B

Date Collected: 09/23/25 11:10
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-27
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			4.95 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 21:52	CS	EET MID

Client Sample ID: SW-28B

Date Collected: 09/23/25 11:15
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-28
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			5.01 g	5 mL	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 19:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 11:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 11:04	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 21:58	CS	EET MID

Client Sample ID: SW-29B

Date Collected: 09/23/25 11:20
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-29
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			4.96 g	5 mL	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 19:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 11:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 11:18	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 22:03	CS	EET MID

Client Sample ID: SW-30B

Date Collected: 09/23/25 11:25
Date Received: 09/23/25 15:31

Lab Sample ID: 890-8850-30
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			5.02 g	5 mL	119634	09/24/25 08:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119631	09/24/25 19:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/24/25 19:53	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 16:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 16:30	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119668	09/24/25 10:55	SA	EET MID
Soluble	Analysis	300.0		1			119814	09/25/25 22:08	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8850-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: SW-31B
Lab Sample ID: 890-8850-31
Date Collected: 09/23/25 11:30
Matrix: Solid
Date Received: 09/23/25 15:31

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	119679	09/24/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/25/25 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 06:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 11:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 11:47	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119628	09/24/25 08:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119669	09/24/25 13:05	CS	EET MID

Client Sample ID: SW-32B
Lab Sample ID: 890-8850-32
Date Collected: 09/23/25 11:35
Matrix: Solid
Date Received: 09/23/25 15:31

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	119679	09/24/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119632	09/25/25 06:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 06:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 16:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 16:15	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119628	09/24/25 08:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119669	09/24/25 13:23	CS	EET MID

Client Sample ID: SW-33B
Lab Sample ID: 890-8850-33
Date Collected: 09/23/25 11:40
Matrix: Solid
Date Received: 09/23/25 15:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	119752	09/25/25 09:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119725	09/25/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119710	09/25/25 13:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			120010	09/30/25 16:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 16:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119628	09/24/25 08:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	119669	09/24/25 13:29	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: 890-8850-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8850-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8850-1	SW-1B	Solid	09/23/25 09:00	09/23/25 15:31	0-6
890-8850-2	SW-2B	Solid	09/23/25 09:05	09/23/25 15:31	0-6
890-8850-3	SW-3B	Solid	09/23/25 09:10	09/23/25 15:31	0-6
890-8850-4	SW-4B	Solid	09/23/25 09:15	09/23/25 15:31	0-2
890-8850-5	SW-5B	Solid	09/23/25 09:20	09/23/25 15:31	0-2
890-8850-6	SW-6B	Solid	09/23/25 09:25	09/23/25 15:31	0-2
890-8850-7	SW-7B	Solid	09/23/25 09:30	09/23/25 15:31	0-2
890-8850-8	SW-8B	Solid	09/23/25 09:35	09/23/25 15:31	0-4
890-8850-9	SW-9B	Solid	09/23/25 09:40	09/23/25 15:31	0-4
890-8850-10	SW-10B	Solid	09/23/25 09:45	09/23/25 15:31	0-4
890-8850-11	SW-11B	Solid	09/23/25 09:50	09/23/25 15:31	0-4
890-8850-12	SW-12B	Solid	09/23/25 09:55	09/23/25 15:31	0-4
890-8850-13	SW-13B	Solid	09/23/25 10:00	09/23/25 15:31	0-4
890-8850-14	SW-14B	Solid	09/23/25 10:05	09/23/25 15:31	0-4
890-8850-15	SW-15B	Solid	09/23/25 10:10	09/23/25 15:31	0-4
890-8850-16	SW-16B	Solid	09/23/25 10:15	09/23/25 15:31	0-6
890-8850-17	SW-17B	Solid	09/23/25 10:20	09/23/25 15:31	0-6
890-8850-18	SW-18B	Solid	09/23/25 10:25	09/23/25 15:31	0-6
890-8850-19	SW-19B	Solid	09/23/25 10:30	09/23/25 15:31	0-6
890-8850-20	SW-20B	Solid	09/23/25 10:35	09/23/25 15:31	0-4
890-8850-21	SW-21B	Solid	09/23/25 10:40	09/23/25 15:31	0-4
890-8850-22	SW-22B	Solid	09/23/25 10:45	09/23/25 15:31	0-4
890-8850-23	SW-23B	Solid	09/23/25 10:50	09/23/25 15:31	0-4
890-8850-24	SW-24B	Solid	09/23/25 10:55	09/23/25 15:31	0-4
890-8850-25	SW-25B	Solid	09/23/25 11:00	09/23/25 15:31	0-4
890-8850-26	SW-26B	Solid	09/23/25 11:05	09/23/25 15:31	0-4
890-8850-27	SW-27B	Solid	09/23/25 11:10	09/23/25 15:31	0-4
890-8850-28	SW-28B	Solid	09/23/25 11:15	09/23/25 15:31	0-4
890-8850-29	SW-29B	Solid	09/23/25 11:20	09/23/25 15:31	0-4
890-8850-30	SW-30B	Solid	09/23/25 11:25	09/23/25 15:31	0-4
890-8850-31	SW-31B	Solid	09/23/25 11:30	09/23/25 15:31	0-4
890-8850-32	SW-32B	Solid	09/23/25 11:35	09/23/25 15:31	0-4
890-8850-33	SW-33B	Solid	09/23/25 11:40	09/23/25 15:31	0-4

Page 505 of 808

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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

W

890-8850 Chain of Custody

9/30/2025

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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:	-2.6
Total Containers:		Corrected Temperature:	-2.4

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
SW-1	S	9.23.25	9:00	0-6	Comp	1	X	X	X		
SW-2	S	9.23.25	9:05	0-6	Comp	1	X	X	X		
SW-3	S	9.23.25	9:10	0-6	Comp	1	X	X	X		
SW-4	S	9.23.25	9:15	0-2	Comp	1	X	X	X		
SW-5	S	9.23.25	9:20	0-2	Comp	1	X	X	X		
SW-6	S	9.23.25	9:25	0-2	Comp	1	X	X	X		
SW-7	S	9.23.25	9:30	0-2	Comp	1	X	X	X		
SW-8	S	9.23.25	9:35	0-4	Comp	1	X	X	X		
SW-9	S	9.23.25	9:40	0-4	Comp	1	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
nAPP2513556445

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
Hg: 1631 / 245.1 / 7470 / 7471
~~Circle Method(s) and Metal(s) to be analyzed~~

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		9/23/25 15:31	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 70 of 75

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Page 506 of 808

9/30/2025

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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 2 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNIM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-2.6	
Total Containers:		Corrected Temperature:	-2.4	

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

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-10	S	9.23.25	9:45	0-4	Comp	1		X	X	X			Incident Number
SW-11	S	9.23.25	9:50	0-4	Comp	1		X	X	X			nAPP2513556445
SW-12	S	9.23.25	9:55	0-4	Comp	1		X	X	X			
SW-13	S	9.23.25	10:00	0-4	Comp	1		X	X	X			
SW-14	S	9.23.25	10:05	0-4	Comp	1		X	X	X			
SW-15	S	9.23.25	10:10	0-4	Comp	1		X	X	X			
SW-16	S	9.23.25	10:15	0-6	Comp	1		X	X	X			
SW-17	S	9.23.25	10:20	0-6	Comp	1		X	X	X			
SW-18	S	9.23.25	10:25	0-6	Comp	1		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		9/23/25 15:31	2		
3			4		
5			6		

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Page 71 of 75

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Page 507 of 808

9/30/2025

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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 3 of 4

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	Yes No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM 007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.6	
Total Containers:		Corrected Temperature:	-2.4	

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

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-19	S	9.23.25	10:30	0-6	Comp	1	X	X	X			Incident Number
SW-20	S	9.23.25	10:35	0-4	Comp	1	X	X	X			nAPP2513556445
SW-21	S	9.23.25	10:40	0-4	Comp	1	X	X	X			
SW-22	S	9.23.25	10:45	0-4	Comp	1	X	X	X			
SW-23	S	9.23.25	10:50	0-4	Comp	1	X	X	X			
SW-24	S	9.23.25	10:55	0-4	Comp	1	X	X	X			
SW-25	S	9.23.25	11:00	0-4	Comp	1	X	X	X			
SW-26	S	9.23.25	11:05	0-4	Comp	1	X	X	X			
SW-27	S	9.23.25	11:10	0-4	Comp	1	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		9/23/25 15:31	2		
3			4		
5			6		

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Page 72 of 75

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Page 508 of 808

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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: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	☑ Routine ☐ Rush
Project Number:	422	Due Date:	Routine TAT
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21587615		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice:	Yes No
Samples Received Intact:	(Yes) No	Thermometer ID:	NM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.6
Total Containers:		Corrected Temperature:	-2.4

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

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-28	S	9.23.25	11:15	0-4	Comp	1		X	X	X			Incident Number
SW-29	S	9.23.25	11:20	0-4	Comp	1		X	X	X			nAPP2513556445
SW-30	S	9.23.25	11:25	0-4	Comp	1		X	X	X			
SW-31	S	9.23.25	11:30	0-4	Comp	1		X	X	X			
SW-32	S	9.23.25	11:35	0-4	Comp	1		X	X	X			
SW-33	S	9.23.25	11:40	0-4	Comp	1		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
Hg: 1631 / 245.1 / 7470 / 7471
~~Circle Method(s) and Metal(s) to be analyzed~~

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		9/23/24 1531	2		
3			4		
5			6		

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Page 73 of 75

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8850-1
SDG Number: Eddy County, NM

Login Number: 8850
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: 890-8850-1
SDG Number: Eddy County, NM

Login Number: 8850
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 09/24/25 09:13 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 10/1/2025 11:18:58 AM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8866-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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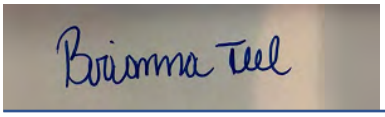
Eurofins Carlsbad

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

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 45
QC Sample Results 48
QC Association Summary 60
Lab Chronicle 71
Certification Summary 86
Method Summary 87
Sample Summary 88
Chain of Custody 89
Receipt Checklists 95

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.
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: 890-8866-1
Project: Ross Draw Unit 43

Job ID: 890-8866-1 Eurofins Carlsbad

Job Narrative
890-8866-1

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 9/25/2025 10:19 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 -6.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1A (890-8866-1), CS - 2A (890-8866-2), CS - 3A (890-8866-3), CS - 4A (890-8866-4), CS - 5A (890-8866-5), CS - 6A (890-8866-6), CS - 7A (890-8866-7), CS - 8A (890-8866-8), CS - 9A (890-8866-9), CS - 10A (890-8866-10), CS - 11A (890-8866-11), CS - 12A (890-8866-12), CS - 13A (890-8866-13), CS - 14A (890-8866-14), CS - 15A (890-8866-15), CS - 16A (890-8866-16), CS - 17A (890-8866-17), CS - 18A (890-8866-18), CS - 19A (890-8866-19), CS - 20A (890-8866-20), CS - 21A (890-8866-21), CS - 22A (890-8866-22), CS - 23A (890-8866-23), CS - 24A (890-8866-24), CS - 25A (890-8866-25), CS - 26A (890-8866-26), CS - 27A (890-8866-27), CS - 28A (890-8866-28), CS - 29A (890-8866-29), CS - 30A (890-8866-30), CS - 31A (890-8866-31), CS - 32A (890-8866-32), CS - 33A (890-8866-33), CS - 34A (890-8866-34), CS - 35A (890-8866-35), CS - 36A (890-8866-36), CS - 37A (890-8866-37), CS - 38A (890-8866-38), CS - 39A (890-8866-39), CS - 40A (890-8866-40), CS - 41A (890-8866-41), CS - 42A (890-8866-42), CS - 43A (890-8866-43), CS - 44A (890-8866-44), CS - 45A (890-8866-45), CS - 46A (890-8866-46) and CS - 47A (890-8866-47).

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-119825 and 880-119827 and analytical batch 880-119834 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119829 and analytical batch 880-119833 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: Surrogate recovery for the following samples were outside control limits: (LCS 880-119652/2-A) and (LCSD 880-119652/3-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 samples were outside control limits: (LCS 880-119830/2-A), (LCS 880-119831/2-A), (LCSD 880-119830/3-A) and (LCSD 880-119831/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119830 and 880-119831 and analytical batch 880-120128 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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8866-1
Project: Ross Draw Unit 43

Job ID: 890-8866-1 (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: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 1A

Lab Sample ID: 890-8866-1
Matrix: Solid
Date Collected: 09/24/25 09:25
Date Received: 09/25/25 10:19
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 F1	0.00201		mg/Kg		09/26/25 08:25	09/26/25 23:12	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		09/26/25 08:25	09/26/25 23:12	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		09/26/25 08:25	09/26/25 23:12	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		09/26/25 08:25	09/26/25 23:12	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		09/26/25 08:25	09/26/25 23:12	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		09/26/25 08:25	09/26/25 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/26/25 08:25*	*09/26/25 23:12*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/26/25 08:25*	*09/26/25 23:12*	*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			09/26/25 23:12	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			09/30/25 16:04	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	50.0		mg/Kg		09/29/25 08:06	09/30/25 16:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 16:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/29/25 08:06*	*09/30/25 16:04*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/29/25 08:06*	*09/30/25 16:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		10.0		mg/Kg			09/26/25 12:24	1

Client Sample ID: CS - 2A

Lab Sample ID: 890-8866-2
Matrix: Solid
Date Collected: 09/24/25 09:30
Date Received: 09/25/25 10:19
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		09/26/25 08:25	09/26/25 23:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:25	09/26/25 23:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:25	09/26/25 23:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:25	09/26/25 23:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:25	09/26/25 23:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:25	09/26/25 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:25*	*09/26/25 23:32*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 2A

Lab Sample ID: 890-8866-2
Matrix: Solid
Date Collected: 09/24/25 09:30
Date Received: 09/25/25 10:19
Sample Depth: 6

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:25*	*09/26/25 23:32*	*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			09/26/25 23:32	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			09/30/25 16:19	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	<49.8	U	49.8		mg/Kg		09/29/25 08:06	09/30/25 16:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/29/25 08:06	09/30/25 16:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/25 08:06	09/30/25 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/29/25 08:06*	*09/30/25 16:19*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/29/25 08:06*	*09/30/25 16:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		10.1		mg/Kg			09/26/25 12:40	1

Client Sample ID: CS - 3A

Lab Sample ID: 890-8866-3
Matrix: Solid
Date Collected: 09/24/25 09:35
Date Received: 09/25/25 10:19
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		09/26/25 08:25	09/26/25 23:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:25	09/26/25 23:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:25	09/26/25 23:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:25	09/26/25 23:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:25	09/26/25 23:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:25	09/26/25 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/26/25 08:25*	*09/26/25 23:53*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:25*	*09/26/25 23:53*	*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			09/26/25 23:53	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			09/30/25 16:35	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 3A

Lab Sample ID: 890-8866-3
Matrix: Solid
Date Collected: 09/24/25 09:35
Date Received: 09/25/25 10:19
Sample Depth: 6

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		09/29/25 08:06	09/30/25 16:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/25 08:06	09/30/25 16:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/25 08:06	09/30/25 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/29/25 08:06*	*09/30/25 16:35*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/29/25 08:06*	*09/30/25 16:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		9.96		mg/Kg			09/26/25 12:45	1

Client Sample ID: CS - 4A

Lab Sample ID: 890-8866-4
Matrix: Solid
Date Collected: 09/24/25 09:40
Date Received: 09/25/25 10:19
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		09/26/25 08:25	09/27/25 00:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:25	09/27/25 00:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:25	09/27/25 00:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/25 08:25	09/27/25 00:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:25	09/27/25 00:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/25 08:25	09/27/25 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/26/25 08:25*	*09/27/25 00:13*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:25*	*09/27/25 00:13*	*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			09/27/25 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/25 16:50	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		09/29/25 08:06	09/30/25 16:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 16:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/29/25 08:06*	*09/30/25 16:50*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/29/25 08:06*	*09/30/25 16:50*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 4A

Lab Sample ID: 890-8866-4
Matrix: Solid
Date Collected: 09/24/25 09:40
Date Received: 09/25/25 10:19
Sample Depth: 6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		9.92		mg/Kg			09/26/25 12:50	1

Client Sample ID: CS - 5A

Lab Sample ID: 890-8866-5
Matrix: Solid
Date Collected: 09/24/25 09:45
Date Received: 09/25/25 10:19
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		09/26/25 08:25	09/27/25 00:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:25	09/27/25 00:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:25	09/27/25 00:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/26/25 08:25	09/27/25 00:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:25	09/27/25 00:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/26/25 08:25	09/27/25 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/26/25 08:25*	*09/27/25 00:34*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/26/25 08:25*	*09/27/25 00:34*	*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			09/27/25 00:34	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			09/30/25 17:05	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	<49.9	U	49.9		mg/Kg		09/29/25 08:06	09/30/25 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/25 08:06	09/30/25 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/25 08:06	09/30/25 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/29/25 08:06*	*09/30/25 17:05*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/29/25 08:06*	*09/30/25 17:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		9.94		mg/Kg			09/26/25 12:56	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 6A

Lab Sample ID: 890-8866-6
Matrix: Solid
Date Collected: 09/24/25 09:50
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 00:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 00:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 00:55	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/26/25 08:26	09/27/25 00:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 00:55	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/26/25 08:26	09/27/25 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/26/25 08:26*	*09/27/25 00:55*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:26*	*09/27/25 00:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/27/25 00:55	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			09/30/25 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 17:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 17:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/29/25 08:06*	*09/30/25 17:20*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/29/25 08:06*	*09/30/25 17:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**161**		9.96		mg/Kg			09/26/25 13:11	1

Client Sample ID: CS - 7A

Lab Sample ID: 890-8866-7
Matrix: Solid
Date Collected: 09/24/25 09:55
Date Received: 09/25/25 10:19
Sample Depth: 2

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		09/26/25 08:26	09/27/25 01:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:26	09/27/25 01:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:26	09/27/25 01:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/26/25 08:26	09/27/25 01:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:26	09/27/25 01:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/26/25 08:26	09/27/25 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/26/25 08:26*	*09/27/25 01:15*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 7A

Lab Sample ID: 890-8866-7
Matrix: Solid
Date Collected: 09/24/25 09:55
Date Received: 09/25/25 10:19
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:26*	*09/27/25 01:15*	*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			09/27/25 01:15	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			09/30/25 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 17:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 17:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/24/25 10:13*	*09/30/25 17:31*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/24/25 10:13*	*09/30/25 17:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		9.90		mg/Kg			09/26/25 13:17	1

Client Sample ID: CS - 8A

Lab Sample ID: 890-8866-8
Matrix: Solid
Date Collected: 09/24/25 10:00
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 01:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 01:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 01:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:26	09/27/25 01:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 01:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:26	09/27/25 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/26/25 08:26*	*09/27/25 01:36*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:26*	*09/27/25 01:36*	*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			09/27/25 01:36	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			09/30/25 17:44	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 8A

Lab Sample ID: 890-8866-8
Matrix: Solid
Date Collected: 09/24/25 10:00
Date Received: 09/25/25 10:19
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		09/24/25 10:13	09/30/25 17:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 17:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/24/25 10:13*	*09/30/25 17:44*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/24/25 10:13*	*09/30/25 17:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**273**		9.92		mg/Kg			09/26/25 13:22	1

Client Sample ID: CS - 9A

Lab Sample ID: 890-8866-9
Matrix: Solid
Date Collected: 09/24/25 10:05
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 01:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 01:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 01:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:26	09/27/25 01:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 01:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:26	09/27/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/26/25 08:26*	*09/27/25 01:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/26/25 08:26*	*09/27/25 01:56*	*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			09/27/25 01:56	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			09/30/25 17:58	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		09/24/25 10:13	09/30/25 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 17:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/30/25 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/24/25 10:13*	*09/30/25 17:58*	*1*
o-Terphenyl	*116*		*70 - 130*	*09/24/25 10:13*	*09/30/25 17:58*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 9A

Lab Sample ID: 890-8866-9
Matrix: Solid
Date Collected: 09/24/25 10:05
Date Received: 09/25/25 10:19
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		9.94		mg/Kg			09/26/25 13:27	1

Client Sample ID: CS - 10A

Lab Sample ID: 890-8866-10
Matrix: Solid
Date Collected: 09/24/25 10:10
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 02:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 02:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 02:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/25 08:26	09/27/25 02:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 02:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/25 08:26	09/27/25 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/26/25 08:26*	*09/27/25 02:17*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:26*	*09/27/25 02:17*	*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			09/27/25 02:17	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			09/30/25 18:12	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	<50.1	U	50.1		mg/Kg		09/24/25 10:13	09/30/25 18:12	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/24/25 10:13	09/30/25 18:12	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/24/25 10:13	09/30/25 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/24/25 10:13*	*09/30/25 18:12*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/24/25 10:13*	*09/30/25 18:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		9.98		mg/Kg			09/26/25 13:32	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 11A

Lab Sample ID: 890-8866-11
Matrix: Solid
Date Collected: 09/24/25 10:15
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 03:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 03:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 03:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:26	09/27/25 03:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 03:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:26	09/27/25 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/26/25 08:26*	*09/27/25 03:50*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/26/25 08:26*	*09/27/25 03:50*	*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			09/27/25 03:50	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			09/30/25 20:50	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		09/26/25 08:37	09/30/25 20:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 20:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/26/25 08:37*	*09/30/25 20:50*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/26/25 08:37*	*09/30/25 20:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**211**		9.96		mg/Kg			09/26/25 13:38	1

Client Sample ID: CS - 12A

Lab Sample ID: 890-8866-12
Matrix: Solid
Date Collected: 09/24/25 10:20
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 04:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 04:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 04:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:26	09/27/25 04:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 04:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:26	09/27/25 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/26/25 08:26*	*09/27/25 04:11*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 12A

Lab Sample ID: 890-8866-12
Matrix: Solid
Date Collected: 09/24/25 10:20
Date Received: 09/25/25 10:19
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:26*	*09/27/25 04:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/27/25 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/25 21:36	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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 21:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 21:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/26/25 08:37*	*09/30/25 21:36*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/26/25 08:37*	*09/30/25 21:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		9.98		mg/Kg			09/26/25 13:53	1

Client Sample ID: CS - 13A

Lab Sample ID: 890-8866-13
Matrix: Solid
Date Collected: 09/24/25 10:25
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 04:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:26	09/27/25 04:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:26	09/27/25 04:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/25 08:26	09/27/25 04:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:26	09/27/25 04:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/25 08:26	09/27/25 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/26/25 08:26*	*09/27/25 04:32*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:26*	*09/27/25 04:32*	*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			09/27/25 04:32	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			09/30/25 21:50	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 13A

Lab Sample ID: 890-8866-13
Matrix: Solid
Date Collected: 09/24/25 10:25
Date Received: 09/25/25 10:19
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		09/26/25 08:37	09/30/25 21:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 21:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/26/25 08:37*	*09/30/25 21:50*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*09/30/25 21:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**		9.94		mg/Kg			09/26/25 13:59	1

Client Sample ID: CS - 14A

Lab Sample ID: 890-8866-14
Matrix: Solid
Date Collected: 09/24/25 10:30
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 04:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 04:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 04:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:26	09/27/25 04:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 04:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:26	09/27/25 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/26/25 08:26*	*09/27/25 04:52*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:26*	*09/27/25 04:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/25 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/25 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	<49.9	U	49.9		mg/Kg		09/26/25 08:37	09/30/25 22:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	09/30/25 22:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	09/30/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*09/26/25 08:37*	*09/30/25 22:05*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/26/25 08:37*	*09/30/25 22:05*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 14A

Lab Sample ID: 890-8866-14
Matrix: Solid
Date Collected: 09/24/25 10:30
Date Received: 09/25/25 10:19
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		9.92		mg/Kg			09/26/25 14:15	1

Client Sample ID: CS - 15A

Lab Sample ID: 890-8866-15
Matrix: Solid
Date Collected: 09/24/25 10:35
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 05:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 05:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 05:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/26/25 08:26	09/27/25 05:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 05:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/26/25 08:26	09/27/25 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/26/25 08:26*	*09/27/25 05:13*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*09/26/25 08:26*	*09/27/25 05:13*	*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			09/27/25 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/25 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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 22:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 22:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/26/25 08:37*	*09/30/25 22:19*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/26/25 08:37*	*09/30/25 22:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		10.1		mg/Kg			09/26/25 14:20	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 16A

Lab Sample ID: 890-8866-16
Matrix: Solid
Date Collected: 09/24/25 10:40
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 05:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 05:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 05:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/25 08:26	09/27/25 05:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 05:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/25 08:26	09/27/25 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/26/25 08:26*	*09/27/25 05:33*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:26*	*09/27/25 05:33*	*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			09/27/25 05:33	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			09/30/25 22:34	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		09/26/25 08:37	09/30/25 22:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	09/30/25 22:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	09/30/25 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/26/25 08:37*	*09/30/25 22:34*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/26/25 08:37*	*09/30/25 22:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**236**		9.94		mg/Kg			09/26/25 14:25	1

Client Sample ID: CS - 17A

Lab Sample ID: 890-8866-17
Matrix: Solid
Date Collected: 09/24/25 10:45
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 05:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 05:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 05:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/26/25 08:26	09/27/25 05:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:26	09/27/25 05:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/26/25 08:26	09/27/25 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/26/25 08:26*	*09/27/25 05:54*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 17A

Lab Sample ID: 890-8866-17
Matrix: Solid
Date Collected: 09/24/25 10:45
Date Received: 09/25/25 10:19
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:26*	*09/27/25 05:54*	*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			09/27/25 05:54	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			09/30/25 22:48	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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 22:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 22:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/26/25 08:37*	*09/30/25 22:48*	*1*
o-Terphenyl	*105*		*70 - 130*	*09/26/25 08:37*	*09/30/25 22:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**269**		9.92		mg/Kg			09/26/25 14:30	1

Client Sample ID: CS - 18A

Lab Sample ID: 890-8866-18
Matrix: Solid
Date Collected: 09/24/25 10:50
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 06:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 06:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 06:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:26	09/27/25 06:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:26	09/27/25 06:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:26	09/27/25 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/26/25 08:26*	*09/27/25 06:14*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:26*	*09/27/25 06:14*	*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			09/27/25 06:14	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			09/30/25 23:04	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 18A

Lab Sample ID: 890-8866-18
Matrix: Solid
Date Collected: 09/24/25 10:50
Date Received: 09/25/25 10:19
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	<49.8	U	49.8		mg/Kg		09/26/25 08:37	09/30/25 23:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	09/30/25 23:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	09/30/25 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/26/25 08:37*	*09/30/25 23:04*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/26/25 08:37*	*09/30/25 23:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**332**		9.94		mg/Kg			09/26/25 14:35	1

Client Sample ID: CS - 19A

Lab Sample ID: 890-8866-19
Matrix: Solid
Date Collected: 09/24/25 10:55
Date Received: 09/25/25 10:19
Sample Depth: 2

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		09/26/25 08:26	09/27/25 06:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:26	09/27/25 06:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:26	09/27/25 06:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/26/25 08:26	09/27/25 06:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:26	09/27/25 06:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/26/25 08:26	09/27/25 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/26/25 08:26*	*09/27/25 06:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/26/25 08:26*	*09/27/25 06:35*	*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			09/27/25 06:35	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			09/30/25 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	<50.1	U	50.1		mg/Kg		09/26/25 08:37	09/30/25 23:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/26/25 08:37	09/30/25 23:18	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/26/25 08:37	09/30/25 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/26/25 08:37*	*09/30/25 23:18*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/26/25 08:37*	*09/30/25 23:18*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 19A

Lab Sample ID: 890-8866-19
Matrix: Solid
Date Collected: 09/24/25 10:55
Date Received: 09/25/25 10:19
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	202		9.92		mg/Kg			09/26/25 14:41	1

Client Sample ID: CS - 20A

Lab Sample ID: 890-8866-20
Matrix: Solid
Date Collected: 09/24/25 11:00
Date Received: 09/25/25 10:19
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		09/26/25 08:26	09/27/25 06:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 06:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 06:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:26	09/27/25 06:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:26	09/27/25 06:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:26	09/27/25 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/26/25 08:26*	*09/27/25 06:55*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:26*	*09/27/25 06:55*	*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			09/27/25 06:55	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			09/30/25 23:33	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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 23:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 23:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	09/30/25 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/26/25 08:37*	*09/30/25 23:33*	*1*
o-Terphenyl	*114*		*70 - 130*	*09/26/25 08:37*	*09/30/25 23:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		9.90		mg/Kg			09/26/25 14:46	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 21A

Lab Sample ID: 890-8866-21
Matrix: Solid
Date Collected: 09/24/25 11:05
Date Received: 09/25/25 10:19
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 F1	0.00201		mg/Kg		09/26/25 08:32	09/26/25 12:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 12:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 12:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/25 08:32	09/26/25 12:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 12:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/25 08:32	09/26/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 12:13*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/26/25 08:32*	*09/26/25 12:13*	*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			09/26/25 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/01/25 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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 00:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 00:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:01*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		10.0		mg/Kg			09/26/25 15:42	1

Client Sample ID: CS - 22A

Lab Sample ID: 890-8866-22
Matrix: Solid
Date Collected: 09/24/25 11:10
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 12:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 12:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 12:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 12:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 12:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:32*	*09/26/25 12:34*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 22A

Lab Sample ID: 890-8866-22
Matrix: Solid
Date Collected: 09/24/25 11:10
Date Received: 09/25/25 10:19
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*	*09/26/25 08:32*	*09/26/25 12:34*	*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			09/26/25 12:34	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			10/01/25 00:15	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	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 00:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 00:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:15*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**270**		10.1		mg/Kg			09/26/25 16:00	1

Client Sample ID: CS - 23A

Lab Sample ID: 890-8866-23
Matrix: Solid
Date Collected: 09/24/25 11:15
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 12:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:32	09/26/25 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 12:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:32	09/26/25 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:32*	*09/26/25 12:54*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 12:54*	*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			09/26/25 12:54	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			10/01/25 00:30	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 23A

Lab Sample ID: 890-8866-23
Matrix: Solid
Date Collected: 09/24/25 11:15
Date Received: 09/25/25 10:19
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		09/26/25 08:37	10/01/25 00:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 00:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:30*	*1*
o-Terphenyl	*114*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		9.96		mg/Kg			09/26/25 16:23	1

Client Sample ID: CS - 24A

Lab Sample ID: 890-8866-24
Matrix: Solid
Date Collected: 09/24/25 11:20
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 13:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 13:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 13:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/25 08:32	09/26/25 13:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 13:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/25 08:32	09/26/25 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:32*	*09/26/25 13:15*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 13:15*	*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			09/26/25 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/01/25 00:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 00:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 00:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:44*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:44*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 24A

Lab Sample ID: 890-8866-24
Matrix: Solid
Date Collected: 09/24/25 11:20
Date Received: 09/25/25 10:19
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	331		9.92		mg/Kg			09/26/25 16:29	1

Client Sample ID: CS - 25A

Lab Sample ID: 890-8866-25
Matrix: Solid
Date Collected: 09/24/25 11:25
Date Received: 09/25/25 10:19
Sample Depth: 2

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		09/26/25 08:32	09/26/25 13:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 13:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 13:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/26/25 08:32	09/26/25 13:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 13:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/26/25 08:32	09/26/25 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/26/25 08:32*	*09/26/25 13:35*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:32*	*09/26/25 13:35*	*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			09/26/25 13:35	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			10/01/25 00:59	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	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 00:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 00:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:59*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/26/25 08:37*	*10/01/25 00:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		9.94		mg/Kg			09/26/25 16:35	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 26A

Lab Sample ID: 890-8866-26
Matrix: Solid
Date Collected: 09/24/25 11:30
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 13:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 13:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 13:56	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/26/25 08:32	09/26/25 13:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 13:56	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/26/25 08:32	09/26/25 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 13:56*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:32*	*09/26/25 13:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/26/25 13:56	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			10/01/25 01:13	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		09/26/25 08:37	10/01/25 01:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 01:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/26/25 08:37*	*10/01/25 01:13*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/26/25 08:37*	*10/01/25 01:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.0**		9.96		mg/Kg			09/26/25 16:53	1

Client Sample ID: CS - 27A

Lab Sample ID: 890-8866-27
Matrix: Solid
Date Collected: 09/24/25 11:35
Date Received: 09/25/25 10:19
Sample Depth: 2

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		09/26/25 08:32	09/26/25 14:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 14:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 14:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/26/25 08:32	09/26/25 14:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 14:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/26/25 08:32	09/26/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:32*	*09/26/25 14:16*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 27A

Lab Sample ID: 890-8866-27
Matrix: Solid
Date Collected: 09/24/25 11:35
Date Received: 09/25/25 10:19
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/26/25 08:32*	*09/26/25 14:16*	*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			09/26/25 14:16	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			10/01/25 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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 01:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 01:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/26/25 08:37*	*10/01/25 01:27*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 01:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**215**		9.90		mg/Kg			09/26/25 16:58	1

Client Sample ID: CS - 28A

Lab Sample ID: 890-8866-28
Matrix: Solid
Date Collected: 09/24/25 11:40
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 14:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 14:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 14:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 14:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 14:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/26/25 08:32*	*09/26/25 14:37*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/26/25 08:32*	*09/26/25 14:37*	*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			09/26/25 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/01/25 01:41	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 28A

Lab Sample ID: 890-8866-28
Matrix: Solid
Date Collected: 09/24/25 11:40
Date Received: 09/25/25 10:19
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	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 01:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 01:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/26/25 08:37*	*10/01/25 01:41*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 01:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**286**		9.92		mg/Kg			09/26/25 17:04	1

Client Sample ID: CS - 29A

Lab Sample ID: 890-8866-29
Matrix: Solid
Date Collected: 09/24/25 11:45
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 14:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 14:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 14:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:32	09/26/25 14:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 14:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:32	09/26/25 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/26/25 08:32*	*09/26/25 14:57*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:32*	*09/26/25 14:57*	*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			09/26/25 14:57	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			10/01/25 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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 01:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 01:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/26/25 08:37*	*10/01/25 01:56*	*1*
o-Terphenyl	*114*		*70 - 130*	*09/26/25 08:37*	*10/01/25 01:56*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 29A

Lab Sample ID: 890-8866-29
Matrix: Solid
Date Collected: 09/24/25 11:45
Date Received: 09/25/25 10:19
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		9.94		mg/Kg			09/26/25 17:10	1

Client Sample ID: CS - 30A

Lab Sample ID: 890-8866-30
Matrix: Solid
Date Collected: 09/24/25 11:50
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 15:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 15:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 15:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/25 08:32	09/26/25 15:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 15:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/25 08:32	09/26/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:32*	*09/26/25 15:18*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:32*	*09/26/25 15:18*	*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			09/26/25 15:18	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			10/01/25 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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 02:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 02:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/26/25 08:37*	*10/01/25 02:10*	*1*
o-Terphenyl	*105*		*70 - 130*	*09/26/25 08:37*	*10/01/25 02:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		9.98		mg/Kg			09/26/25 17:16	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 31A

Lab Sample ID: 890-8866-31
Matrix: Solid
Date Collected: 09/24/25 11:55
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 16:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 16:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 16:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/26/25 08:32*	*09/26/25 16:52*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:32*	*09/26/25 16:52*	*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			09/26/25 16:52	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			10/01/25 04:06	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	<50.0	U F1	50.0		mg/Kg		09/26/25 08:37	10/01/25 04:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 04:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/26/25 08:37*	*10/01/25 04:06*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/26/25 08:37*	*10/01/25 04:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		9.96		mg/Kg			09/26/25 17:22	1

Client Sample ID: CS - 32A

Lab Sample ID: 890-8866-32
Matrix: Solid
Date Collected: 09/24/25 12:00
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 17:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 17:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 17:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:32	09/26/25 17:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 17:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:32	09/26/25 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:32*	*09/26/25 17:12*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 32A

Lab Sample ID: 890-8866-32
Matrix: Solid
Date Collected: 09/24/25 12:00
Date Received: 09/25/25 10:19
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:32*	*09/26/25 17:12*	*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			09/26/25 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/01/25 04:50	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		09/26/25 08:37	10/01/25 04:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/26/25 08:37	10/01/25 04:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/26/25 08:37	10/01/25 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/26/25 08:37*	*10/01/25 04:50*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/26/25 08:37*	*10/01/25 04:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**314**		9.98		mg/Kg			09/26/25 17:40	1

Client Sample ID: CS - 33A

Lab Sample ID: 890-8866-33
Matrix: Solid
Date Collected: 09/24/25 12:05
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 17:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 17:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 17:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/25 08:32	09/26/25 17:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:32	09/26/25 17:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/25 08:32	09/26/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 17:33*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:32*	*09/26/25 17:33*	*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			09/26/25 17:33	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			10/01/25 05:04	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 33A

Lab Sample ID: 890-8866-33
Matrix: Solid
Date Collected: 09/24/25 12:05
Date Received: 09/25/25 10:19
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		09/26/25 08:37	10/01/25 05:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 05:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/26/25 08:37*	*10/01/25 05:04*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**224**		9.94		mg/Kg			09/26/25 17:45	1

Client Sample ID: CS - 34A

Lab Sample ID: 890-8866-34
Matrix: Solid
Date Collected: 09/24/25 12:10
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 17:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 17:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 17:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 17:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 17:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/26/25 08:32*	*09/26/25 17:54*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/25 17:54	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			10/01/25 05:18	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	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 05:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 05:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/26/25 08:37*	*10/01/25 05:18*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/26/25 08:37*	*10/01/25 05:18*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 34A

Lab Sample ID: 890-8866-34
Matrix: Solid
Date Collected: 09/24/25 12:10
Date Received: 09/25/25 10:19
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	251		9.92		mg/Kg			09/26/25 18:03	1

Client Sample ID: CS - 35A

Lab Sample ID: 890-8866-35
Matrix: Solid
Date Collected: 09/24/25 12:15
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 18:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 18:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 18:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/26/25 08:32	09/26/25 18:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 18:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/26/25 08:32	09/26/25 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*09/26/25 08:32*	*09/26/25 18:14*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:32*	*09/26/25 18:14*	*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			09/26/25 18:14	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			10/01/25 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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 05:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 05:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/26/25 08:37*	*10/01/25 05:32*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/26/25 08:37*	*10/01/25 05:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		10.1		mg/Kg			09/26/25 18:09	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 36A

Lab Sample ID: 890-8866-36
Matrix: Solid
Date Collected: 09/24/25 12:20
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 18:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 18:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 18:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/26/25 08:32	09/26/25 18:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 18:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/26/25 08:32	09/26/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/26/25 08:32*	*09/26/25 18:34*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:32*	*09/26/25 18:34*	*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			09/26/25 18:34	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			10/01/25 05:46	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	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 05:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 05:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/26/25 08:37*	*10/01/25 05:46*	*1*
o-Terphenyl	*105*		*70 - 130*	*09/26/25 08:37*	*10/01/25 05:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		9.94		mg/Kg			09/26/25 18:15	1

Client Sample ID: CS - 37A

Lab Sample ID: 890-8866-37
Matrix: Solid
Date Collected: 09/24/25 12:25
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 18:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 18:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 18:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/26/25 08:32	09/26/25 18:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:32	09/26/25 18:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/26/25 08:32	09/26/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/26/25 08:32*	*09/26/25 18:55*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 37A

Lab Sample ID: 890-8866-37
Matrix: Solid
Date Collected: 09/24/25 12:25
Date Received: 09/25/25 10:19
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:32*	*09/26/25 18:55*	*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			09/26/25 18:55	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			10/01/25 06:00	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	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 06:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 06:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/26/25 08:37*	*10/01/25 06:00*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 06:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		9.92		mg/Kg			09/26/25 18:21	1

Client Sample ID: CS - 38A

Lab Sample ID: 890-8866-38
Matrix: Solid
Date Collected: 09/24/25 12:30
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 19:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 19:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 19:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:32	09/26/25 19:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 19:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:32	09/26/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:32*	*09/26/25 19:15*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 19:15*	*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			09/26/25 19:15	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			10/01/25 06:14	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 38A

Lab Sample ID: 890-8866-38
Matrix: Solid
Date Collected: 09/24/25 12:30
Date Received: 09/25/25 10:19
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		09/26/25 08:37	10/01/25 06:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 06:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/26/25 08:37*	*10/01/25 06:14*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/26/25 08:37*	*10/01/25 06:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**148**		9.94		mg/Kg			09/26/25 18:27	1

Client Sample ID: CS - 39A

Lab Sample ID: 890-8866-39
Matrix: Solid
Date Collected: 09/24/25 12:35
Date Received: 09/25/25 10:19
Sample Depth: 2

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		09/26/25 08:32	09/26/25 19:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 19:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 19:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/26/25 08:32	09/26/25 19:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:32	09/26/25 19:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/26/25 08:32	09/26/25 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/26/25 08:32*	*09/26/25 19:36*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 19:36*	*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			09/26/25 19:36	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			10/01/25 06:29	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		09/26/25 08:37	10/01/25 06:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 06:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/26/25 08:37*	*10/01/25 06:29*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/26/25 08:37*	*10/01/25 06:29*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 39A

Lab Sample ID: 890-8866-39
Matrix: Solid
Date Collected: 09/24/25 12:35
Date Received: 09/25/25 10:19
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	257		9.92		mg/Kg			09/26/25 18:32	1

Client Sample ID: CS - 40A

Lab Sample ID: 890-8866-40
Matrix: Solid
Date Collected: 09/24/25 12:40
Date Received: 09/25/25 10:19
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		09/26/25 08:32	09/26/25 19:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 19:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 19:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:32	09/26/25 19:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:32	09/26/25 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/26/25 08:32*	*09/26/25 19:56*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/26/25 08:32*	*09/26/25 19:56*	*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			09/26/25 19:56	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			10/01/25 06:43	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		09/26/25 08:37	10/01/25 06:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 06:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/26/25 08:37*	*10/01/25 06:43*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 06:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	366		9.90		mg/Kg			09/26/25 18:38	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 41A

Lab Sample ID: 890-8866-41
Matrix: Solid
Date Collected: 09/24/25 12:45
Date Received: 09/25/25 10:19
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		09/26/25 08:33	09/26/25 14:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:33	09/26/25 14:31	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		09/26/25 08:33	09/26/25 14:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/25 08:33	09/26/25 14:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:33	09/26/25 14:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/25 08:33	09/26/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/26/25 08:33*	*09/26/25 14:31*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:33*	*09/26/25 14:31*	*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			09/26/25 14:31	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			10/01/25 07:12	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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 07:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 07:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/26/25 08:37*	*10/01/25 07:12*	*1*
o-Terphenyl	*121*		*70 - 130*	*09/26/25 08:37*	*10/01/25 07:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**390**		9.94		mg/Kg			09/27/25 03:27	1

Client Sample ID: CS - 42A

Lab Sample ID: 890-8866-42
Matrix: Solid
Date Collected: 09/24/25 12:50
Date Received: 09/25/25 10:19
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		09/26/25 08:33	09/26/25 14:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 14:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 14:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:33	09/26/25 14:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 14:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:33	09/26/25 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/26/25 08:33*	*09/26/25 14:51*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 42A

Lab Sample ID: 890-8866-42
Matrix: Solid
Date Collected: 09/24/25 12:50
Date Received: 09/25/25 10:19
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:33*	*09/26/25 14:51*	*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			09/26/25 14:51	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			10/01/25 07:28	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		09/26/25 08:37	10/01/25 07:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 07:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 07:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/26/25 08:37*	*10/01/25 07:28*	*1*
o-Terphenyl	*114*		*70 - 130*	*09/26/25 08:37*	*10/01/25 07:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**394**		9.98		mg/Kg			09/27/25 03:32	1

Client Sample ID: CS - 43A

Lab Sample ID: 890-8866-43
Matrix: Solid
Date Collected: 09/24/25 12:55
Date Received: 09/25/25 10:19
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		09/26/25 08:33	09/26/25 15:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 15:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 15:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:33	09/26/25 15:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 15:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:33	09/26/25 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/26/25 08:33*	*09/26/25 15:12*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/26/25 08:33*	*09/26/25 15:12*	*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			09/26/25 15:12	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			10/01/25 07:41	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 43A

Lab Sample ID: 890-8866-43
Matrix: Solid
Date Collected: 09/24/25 12:55
Date Received: 09/25/25 10:19
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		09/26/25 08:37	10/01/25 07:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 07:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/26/25 08:37*	*10/01/25 07:41*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 07:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**398**		10.0		mg/Kg			09/27/25 03:48	1

Client Sample ID: CS - 44A

Lab Sample ID: 890-8866-44
Matrix: Solid
Date Collected: 09/24/25 13:00
Date Received: 09/25/25 10:19
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		09/26/25 08:33	09/26/25 15:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:33	09/26/25 15:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:33	09/26/25 15:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/26/25 08:33	09/26/25 15:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/26/25 08:33	09/26/25 15:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/26/25 08:33	09/26/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/26/25 08:33*	*09/26/25 15:32*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:33*	*09/26/25 15:32*	*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			09/26/25 15:32	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			10/01/25 07:56	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		09/26/25 08:37	10/01/25 07:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 07:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 07:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/26/25 08:37*	*10/01/25 07:56*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/26/25 08:37*	*10/01/25 07:56*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 44A

Lab Sample ID: 890-8866-44
Matrix: Solid
Date Collected: 09/24/25 13:00
Date Received: 09/25/25 10:19
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		10.1		mg/Kg			09/27/25 03:53	1

Client Sample ID: CS - 45A

Lab Sample ID: 890-8866-45
Matrix: Solid
Date Collected: 09/24/25 13:05
Date Received: 09/25/25 10:19
Sample Depth: 2

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		09/26/25 08:33	09/26/25 15:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:33	09/26/25 15:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:33	09/26/25 15:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/26/25 08:33	09/26/25 15:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:33	09/26/25 15:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/26/25 08:33	09/26/25 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/26/25 08:33*	*09/26/25 15:53*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/26/25 08:33*	*09/26/25 15:53*	*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			09/26/25 15:53	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			10/01/25 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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 08:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 08:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 08:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/26/25 08:37*	*10/01/25 08:09*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/26/25 08:37*	*10/01/25 08:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	382		10.0		mg/Kg			09/27/25 03:58	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 46A

Lab Sample ID: 890-8866-46
Matrix: Solid
Date Collected: 09/24/25 13:10
Date Received: 09/25/25 10:19
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		09/26/25 08:33	09/26/25 16:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:33	09/26/25 16:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:33	09/26/25 16:13	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/26/25 08:33	09/26/25 16:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/26/25 08:33	09/26/25 16:13	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/26/25 08:33	09/26/25 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/26/25 08:33*	*09/26/25 16:13*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:33*	*09/26/25 16:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/26/25 16:13	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			10/01/25 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	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 08:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 08:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/26/25 08:37	10/01/25 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/26/25 08:37*	*10/01/25 08:24*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/26/25 08:37*	*10/01/25 08:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**363**		10.1		mg/Kg			09/27/25 04:03	1

Client Sample ID: CS - 47A

Lab Sample ID: 890-8866-47
Matrix: Solid
Date Collected: 09/24/25 13:15
Date Received: 09/25/25 10:19
Sample Depth: 2

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		09/26/25 08:33	09/26/25 16:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:33	09/26/25 16:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:33	09/26/25 16:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/26/25 08:33	09/26/25 16:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/26/25 08:33	09/26/25 16:34	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/26/25 08:33	09/26/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:33*	*09/26/25 16:34*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 47A

Date Collected: 09/24/25 13:15
Date Received: 09/25/25 10:19
Sample Depth: 2

Lab Sample ID: 890-8866-47

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*09/26/25 08:33*	*09/26/25 16:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/26/25 16:34	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			10/01/25 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	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 08:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 08:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/26/25 08:37*	*10/01/25 08:38*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/26/25 08:37*	*10/01/25 08:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		9.92		mg/Kg			09/27/25 04:09	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy 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)										
890-8866-1	CS - 1A	108	98										
890-8866-1 MS	CS - 1A	111	92										
890-8866-1 MSD	CS - 1A	115	95										
890-8866-2	CS - 2A	101	96										
890-8866-3	CS - 3A	110	97										
890-8866-4	CS - 4A	113	97										
890-8866-5	CS - 5A	112	98										
890-8866-6	CS - 6A	107	97										
890-8866-7	CS - 7A	104	96										
890-8866-8	CS - 8A	108	97										
890-8866-9	CS - 9A	110	98										
890-8866-10	CS - 10A	106	96										
890-8866-11	CS - 11A	111	92										
890-8866-12	CS - 12A	109	101										
890-8866-13	CS - 13A	108	99										
890-8866-14	CS - 14A	111	100										
890-8866-15	CS - 15A	109	95										
890-8866-16	CS - 16A	107	99										
890-8866-17	CS - 17A	112	96										
890-8866-18	CS - 18A	113	97										
890-8866-19	CS - 19A	114	98										
890-8866-20	CS - 20A	104	97										
890-8866-21	CS - 21A	100	94										
890-8866-21 MS	CS - 21A	93	116										
890-8866-21 MSD	CS - 21A	113	106										
890-8866-22	CS - 22A	99	102										
890-8866-23	CS - 23A	99	100										
890-8866-24	CS - 24A	101	100										
890-8866-25	CS - 25A	106	99										
890-8866-26	CS - 26A	100	101										
890-8866-27	CS - 27A	101	98										
890-8866-28	CS - 28A	108	98										
890-8866-29	CS - 29A	103	99										
890-8866-30	CS - 30A	101	97										
890-8866-31	CS - 31A	102	96										
890-8866-32	CS - 32A	101	101										
890-8866-33	CS - 33A	100	97										
890-8866-34	CS - 34A	102	100										
890-8866-35	CS - 35A	105	96										
890-8866-36	CS - 36A	107	99										
890-8866-37	CS - 37A	109	99										
890-8866-38	CS - 38A	96	100										
890-8866-39	CS - 39A	104	100										
890-8866-40	CS - 40A	106	101										
890-8866-41	CS - 41A	114	96										
890-8866-41 MS	CS - 41A	111	100										
890-8866-41 MSD	CS - 41A	112	101										
890-8866-42	CS - 42A	94	100										
890-8866-43	CS - 43A	98	98										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8866-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-8866-44	CS - 44A	107	99
890-8866-45	CS - 45A	93	93
890-8866-46	CS - 46A	102	97
890-8866-47	CS - 47A	99	95
LCS 880-119825/1-A	Lab Control Sample	119	105
LCS 880-119827/1-A	Lab Control Sample	109	106
LCS 880-119829/1-A	Lab Control Sample	101	100
LCSD 880-119825/2-A	Lab Control Sample Dup	124	101
LCSD 880-119827/2-A	Lab Control Sample Dup	104	107
LCSD 880-119829/2-A	Lab Control Sample Dup	110	104
MB 880-119825/5-A	Method Blank	92	99
MB 880-119827/5-A	Method Blank	92	100
MB 880-119829/5-A	Method Blank	95	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
890-8866-1	CS - 1A	84	88
890-8866-2	CS - 2A	86	89
890-8866-3	CS - 3A	84	88
890-8866-4	CS - 4A	86	88
890-8866-5	CS - 5A	84	88
890-8866-6	CS - 6A	84	87
890-8866-7	CS - 7A	86	113
890-8866-8	CS - 8A	86	112
890-8866-9	CS - 9A	87	116
890-8866-10	CS - 10A	88	115
890-8866-11	CS - 11A	82	106
890-8866-11 MS	CS - 11A	89	101
890-8866-11 MSD	CS - 11A	90	102
890-8866-12	CS - 12A	89	115
890-8866-13	CS - 13A	87	111
890-8866-14	CS - 14A	80	102
890-8866-15	CS - 15A	86	110
890-8866-16	CS - 16A	85	109
890-8866-17	CS - 17A	82	105
890-8866-18	CS - 18A	89	115
890-8866-19	CS - 19A	85	109
890-8866-20	CS - 20A	88	114
890-8866-21	CS - 21A	85	111
890-8866-22	CS - 22A	86	111
890-8866-23	CS - 23A	88	114
890-8866-24	CS - 24A	84	109
890-8866-25	CS - 25A	85	110

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8866-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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)								
890-8866-26	CS - 26A	84	109								
890-8866-27	CS - 27A	85	111								
890-8866-28	CS - 28A	86	111								
890-8866-29	CS - 29A	88	114								
890-8866-30	CS - 30A	82	105								
890-8866-31	CS - 31A	87	112								
890-8866-31 MS	CS - 31A	91	103								
890-8866-31 MSD	CS - 31A	92	105								
890-8866-32	CS - 32A	85	110								
890-8866-33	CS - 33A	87	111								
890-8866-34	CS - 34A	87	112								
890-8866-35	CS - 35A	81	106								
890-8866-36	CS - 36A	81	105								
890-8866-37	CS - 37A	85	111								
890-8866-38	CS - 38A	85	109								
890-8866-39	CS - 39A	86	110								
890-8866-40	CS - 40A	88	111								
890-8866-41	CS - 41A	95	121								
890-8866-42	CS - 42A	89	114								
890-8866-43	CS - 43A	87	111								
890-8866-44	CS - 44A	79	101								
890-8866-45	CS - 45A	91	115								
890-8866-46	CS - 46A	88	113								
890-8866-47	CS - 47A	87	112								
LCS 880-119652/2-A	Lab Control Sample	126	138 S1+								
LCS 880-119830/2-A	Lab Control Sample	116	135 S1+								
LCS 880-119831/2-A	Lab Control Sample	130	148 S1+								
LCS 880-119939/2-A	Lab Control Sample	96	92								
LCSD 880-119652/3-A	Lab Control Sample Dup	128	143 S1+								
LCSD 880-119830/3-A	Lab Control Sample Dup	117	133 S1+								
LCSD 880-119831/3-A	Lab Control Sample Dup	129	146 S1+								
LCSD 880-119939/3-A	Lab Control Sample Dup	98	93								
MB 880-119652/1-A	Method Blank	79	92								
MB 880-119830/1-A	Method Blank	81	104								
MB 880-119831/1-A	Method Blank	80	102								
MB 880-119939/1-A	Method Blank	85	88								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-119825/5-A
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119825

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:25	09/26/25 22:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:25	09/26/25 22:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:25	09/26/25 22:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/25 08:25	09/26/25 22:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:25	09/26/25 22:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/25 08:25	09/26/25 22:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/26/25 08:25*	*09/26/25 22:50*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/26/25 08:25*	*09/26/25 22:50*	*1*

Lab Sample ID: LCS 880-119825/1-A
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119825

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1131		mg/Kg		113	70 - 130
Toluene	0.100	0.1129		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1235		mg/Kg		123	70 - 130
m-Xylene & p-Xylene	0.200	0.2433		mg/Kg		122	70 - 130
o-Xylene	0.100	0.1238		mg/Kg		124	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-119825/2-A
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119825

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	6	35
Toluene	0.100	0.1134		mg/Kg		113	70 - 130	0	35
Ethylbenzene	0.100	0.1276		mg/Kg		128	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2548		mg/Kg		127	70 - 130	5	35
o-Xylene	0.100	0.1302		mg/Kg		130	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-8866-1 MS
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: CS - 1A
Prep Type: Total/NA
Prep Batch: 119825

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.05726	F1	mg/Kg		57	70 - 130
Toluene	<0.00201	U F1	0.100	0.04489	F1	mg/Kg		45	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8866-1 MS
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: CS - 1A
Prep Type: Total/NA
Prep Batch: 119825

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.03506	F1	mg/Kg		35	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.06648	F1	mg/Kg		33	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.03779	F1	mg/Kg		38	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-8866-1 MSD
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: CS - 1A
Prep Type: Total/NA
Prep Batch: 119825

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.05619	F1	mg/Kg		56	70 - 130	2	35
Toluene	<0.00201	U F1	0.100	0.04399	F1	mg/Kg		44	70 - 130	2	35
Ethylbenzene	<0.00201	U F1	0.100	0.03422	F1	mg/Kg		34	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.06580	F1	mg/Kg		33	70 - 130	1	35
o-Xylene	<0.00201	U F1	0.100	0.03750	F1	mg/Kg		38	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-119827/5-A
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/25 08:32	09/26/25 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:32	09/26/25 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/25 08:32	09/26/25 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/26/25 08:32*	*09/26/25 11:52*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/26/25 08:32*	*09/26/25 11:52*	*1*

Lab Sample ID: LCS 880-119827/1-A
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08513		mg/Kg		85	70 - 130
Toluene	0.100	0.07453		mg/Kg		75	70 - 130
Ethylbenzene	0.100	0.07650		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1520		mg/Kg		76	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-119827/1-A
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119827

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.07947		mg/Kg		79	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-119827/2-A
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119827

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08802		mg/Kg		88	70 - 130	3	35
Toluene			0.100	0.07643		mg/Kg		76	70 - 130	3	35
Ethylbenzene			0.100	0.07806		mg/Kg		78	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1555		mg/Kg		78	70 - 130	2	35
o-Xylene			0.100	0.08135		mg/Kg		81	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-8866-21 MS
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: CS - 21A
Prep Type: Total/NA
Prep Batch: 119827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1	0.100	0.1334	F1	mg/Kg		133	70 - 130		
Toluene	<0.00201	U	0.100	0.1198		mg/Kg		120	70 - 130		
Ethylbenzene	<0.00201	U	0.100	0.1165		mg/Kg		117	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2294		mg/Kg		115	70 - 130		
o-Xylene	<0.00201	U	0.100	0.1126		mg/Kg		113	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 890-8866-21 MSD
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: CS - 21A
Prep Type: Total/NA
Prep Batch: 119827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.1036		mg/Kg		104	70 - 130	25	35
Toluene	<0.00201	U	0.100	0.09759		mg/Kg		98	70 - 130	20	35
Ethylbenzene	<0.00201	U	0.100	0.09936		mg/Kg		99	70 - 130	16	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2005		mg/Kg		100	70 - 130	13	35
o-Xylene	<0.00201	U	0.100	0.1014		mg/Kg		101	70 - 130	10	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8866-21 MSD
Matrix: Solid
Analysis Batch: 119834

Client Sample ID: CS - 21A
Prep Type: Total/NA
Prep Batch: 119827

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

Lab Sample ID: MB 880-119829/5-A
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/25 08:33	09/26/25 14:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	09/26/25 08:33	09/26/25 14:09	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/26/25 08:33	09/26/25 14:09	1

Lab Sample ID: LCS 880-119829/1-A
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119829

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09702		mg/Kg		97	70 - 130		
Toluene			0.100	0.09734		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.09364		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.2048		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1005		mg/Kg		100	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-119829/2-A
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119829

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09336		mg/Kg		93	70 - 130	4	35
Toluene			0.100	0.09356		mg/Kg		94	70 - 130	4	35
Ethylbenzene			0.100	0.09157		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1979		mg/Kg		99	70 - 130	3	35
o-Xylene			0.100	0.09744		mg/Kg		97	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-119829/2-A
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119829

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

Lab Sample ID: 890-8866-41 MS
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: CS - 41A
Prep Type: Total/NA
Prep Batch: 119829

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08691		mg/Kg		87	70 - 130
Toluene	<0.00201	U	0.100	0.08355		mg/Kg		84	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.07790		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1686		mg/Kg		84	70 - 130
o-Xylene	<0.00201	U	0.100	0.08266		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-8866-41 MSD
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: CS - 41A
Prep Type: Total/NA
Prep Batch: 119829

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08314		mg/Kg		83	70 - 130	4	35
Toluene	<0.00201	U	0.100	0.07346		mg/Kg		73	70 - 130	13	35
Ethylbenzene	<0.00201	U F1	0.100	0.06504	F1	mg/Kg		65	70 - 130	18	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1409		mg/Kg		70	70 - 130	18	35
o-Xylene	<0.00201	U	0.100	0.07064		mg/Kg		71	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-119652/1-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119652

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		09/24/25 10:13	09/29/25 22:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 22:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/25 10:13	09/29/25 22:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	09/24/25 10:13	09/29/25 22:25	1
o-Terphenyl	92		70 - 130	09/24/25 10:13	09/29/25 22:25	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-119652/2-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119652

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1032		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1135		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*138*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-119652/3-A
Matrix: Solid
Analysis Batch: 119972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119652

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1032		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1155		mg/Kg		115	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*143*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-119830/1-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119830

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		09/26/25 08:36	09/30/25 19:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:36	09/30/25 19:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:36	09/30/25 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/26/25 08:36*	*09/30/25 19:09*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/26/25 08:36*	*09/30/25 19:09*	*1*

Lab Sample ID: LCS 880-119830/2-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119830

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	904.7		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1134		mg/Kg		113	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-119830/2-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119830

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: LCSD 880-119830/3-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119830

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	919.9		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1096		mg/Kg		110	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 890-8866-11 MS
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: CS - 11A
Prep Type: Total/NA
Prep Batch: 119830

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	1000	701.2		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	795.9		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 890-8866-11 MSD
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: CS - 11A
Prep Type: Total/NA
Prep Batch: 119830

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	1000	685.0	F1	mg/Kg		68	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	826.7		mg/Kg		81	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-119831/1-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119831

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		09/26/25 08:37	10/01/25 03:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 03:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 03:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*09/26/25 08:37*	*10/01/25 03:23*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/26/25 08:37*	*10/01/25 03:23*	*1*

Lab Sample ID: LCS 880-119831/2-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119831

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	996.5		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1201		mg/Kg		120	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*148*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-119831/3-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119831

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1012		mg/Kg		101	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1175		mg/Kg		118	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*146*	*S1+*	*70 - 130*

Lab Sample ID: 890-8866-31 MS
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: CS - 31A
Prep Type: Total/NA
Prep Batch: 119831

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	1000	653.5	F1	mg/Kg		65	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	806.4		mg/Kg		81	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8866-31 MS
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: CS - 31A
Prep Type: Total/NA
Prep Batch: 119831

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-8866-31 MSD
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: CS - 31A
Prep Type: Total/NA
Prep Batch: 119831

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	1000	685.9	F1	mg/Kg		69	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	822.7		mg/Kg		82	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: MB 880-119939/1-A
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119939

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		09/29/25 08:06	09/30/25 03:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 03:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/25 08:06	09/30/25 03:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	09/29/25 08:06	09/30/25 03:19	1
o-Terphenyl	88		70 - 130	09/29/25 08:06	09/30/25 03:19	1

Lab Sample ID: LCS 880-119939/2-A
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	876.9		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	833.4		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	92		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-119939/3-A
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119939

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	893.9		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	849.4		mg/Kg		85	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119826/1-A
Matrix: Solid
Analysis Batch: 119862

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			09/26/25 12:08	1

Lab Sample ID: LCS 880-119826/2-A
Matrix: Solid
Analysis Batch: 119862

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.1		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-119826/3-A
Matrix: Solid
Analysis Batch: 119862

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	247.5		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-8866-1 MS
Matrix: Solid
Analysis Batch: 119862

Client Sample ID: CS - 1A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	158		251	409.1		mg/Kg		100	90 - 110		

Lab Sample ID: 890-8866-1 MSD
Matrix: Solid
Analysis Batch: 119862

Client Sample ID: CS - 1A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	158		251	411.6		mg/Kg		101	90 - 110	1	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8866-11 MS
Matrix: Solid
Analysis Batch: 119862

Client Sample ID: CS - 11A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	211		249	462.5		mg/Kg		101	90 - 110

Lab Sample ID: 890-8866-11 MSD
Matrix: Solid
Analysis Batch: 119862

Client Sample ID: CS - 11A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	211		249	463.1		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-119828/1-A
Matrix: Solid
Analysis Batch: 119880

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			09/26/25 15:24	1

Lab Sample ID: LCS 880-119828/2-A
Matrix: Solid
Analysis Batch: 119880

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 880-119828/3-A
Matrix: Solid
Analysis Batch: 119880

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	258.5		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-8866-21 MS
Matrix: Solid
Analysis Batch: 119880

Client Sample ID: CS - 21A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	180		251	431.1		mg/Kg		100	90 - 110

Lab Sample ID: 890-8866-21 MSD
Matrix: Solid
Analysis Batch: 119880

Client Sample ID: CS - 21A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	180		251	426.8		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-8866-31 MS
Matrix: Solid
Analysis Batch: 119880

Client Sample ID: CS - 31A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	140		249	392.6		mg/Kg		101	90 - 110

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8866-31 MSD
Matrix: Solid
Analysis Batch: 119880

Client Sample ID: CS - 31A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	140		249	395.4		mg/Kg		103	90 - 110	1	20

Lab Sample ID: MB 880-119863/1-A
Matrix: Solid
Analysis Batch: 119908

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			09/27/25 02:45	1

Lab Sample ID: LCS 880-119863/2-A
Matrix: Solid
Analysis Batch: 119908

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.1		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-119863/3-A
Matrix: Solid
Analysis Batch: 119908

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	255.0		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 119825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-1	CS - 1A	Total/NA	Solid	5035	
890-8866-2	CS - 2A	Total/NA	Solid	5035	
890-8866-3	CS - 3A	Total/NA	Solid	5035	
890-8866-4	CS - 4A	Total/NA	Solid	5035	
890-8866-5	CS - 5A	Total/NA	Solid	5035	
890-8866-6	CS - 6A	Total/NA	Solid	5035	
890-8866-7	CS - 7A	Total/NA	Solid	5035	
890-8866-8	CS - 8A	Total/NA	Solid	5035	
890-8866-9	CS - 9A	Total/NA	Solid	5035	
890-8866-10	CS - 10A	Total/NA	Solid	5035	
890-8866-11	CS - 11A	Total/NA	Solid	5035	
890-8866-12	CS - 12A	Total/NA	Solid	5035	
890-8866-13	CS - 13A	Total/NA	Solid	5035	
890-8866-14	CS - 14A	Total/NA	Solid	5035	
890-8866-15	CS - 15A	Total/NA	Solid	5035	
890-8866-16	CS - 16A	Total/NA	Solid	5035	
890-8866-17	CS - 17A	Total/NA	Solid	5035	
890-8866-18	CS - 18A	Total/NA	Solid	5035	
890-8866-19	CS - 19A	Total/NA	Solid	5035	
890-8866-20	CS - 20A	Total/NA	Solid	5035	
MB 880-119825/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119825/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119825/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8866-1 MS	CS - 1A	Total/NA	Solid	5035	
890-8866-1 MSD	CS - 1A	Total/NA	Solid	5035	

Prep Batch: 119827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-21	CS - 21A	Total/NA	Solid	5035	
890-8866-22	CS - 22A	Total/NA	Solid	5035	
890-8866-23	CS - 23A	Total/NA	Solid	5035	
890-8866-24	CS - 24A	Total/NA	Solid	5035	
890-8866-25	CS - 25A	Total/NA	Solid	5035	
890-8866-26	CS - 26A	Total/NA	Solid	5035	
890-8866-27	CS - 27A	Total/NA	Solid	5035	
890-8866-28	CS - 28A	Total/NA	Solid	5035	
890-8866-29	CS - 29A	Total/NA	Solid	5035	
890-8866-30	CS - 30A	Total/NA	Solid	5035	
890-8866-31	CS - 31A	Total/NA	Solid	5035	
890-8866-32	CS - 32A	Total/NA	Solid	5035	
890-8866-33	CS - 33A	Total/NA	Solid	5035	
890-8866-34	CS - 34A	Total/NA	Solid	5035	
890-8866-35	CS - 35A	Total/NA	Solid	5035	
890-8866-36	CS - 36A	Total/NA	Solid	5035	
890-8866-37	CS - 37A	Total/NA	Solid	5035	
890-8866-38	CS - 38A	Total/NA	Solid	5035	
890-8866-39	CS - 39A	Total/NA	Solid	5035	
890-8866-40	CS - 40A	Total/NA	Solid	5035	
MB 880-119827/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119827/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119827/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 119827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-21 MS	CS - 21A	Total/NA	Solid	5035	
890-8866-21 MSD	CS - 21A	Total/NA	Solid	5035	

Prep Batch: 119829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-41	CS - 41A	Total/NA	Solid	5035	
890-8866-42	CS - 42A	Total/NA	Solid	5035	
890-8866-43	CS - 43A	Total/NA	Solid	5035	
890-8866-44	CS - 44A	Total/NA	Solid	5035	
890-8866-45	CS - 45A	Total/NA	Solid	5035	
890-8866-46	CS - 46A	Total/NA	Solid	5035	
890-8866-47	CS - 47A	Total/NA	Solid	5035	
MB 880-119829/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119829/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119829/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8866-41 MS	CS - 41A	Total/NA	Solid	5035	
890-8866-41 MSD	CS - 41A	Total/NA	Solid	5035	

Analysis Batch: 119833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-41	CS - 41A	Total/NA	Solid	8021B	119829
890-8866-42	CS - 42A	Total/NA	Solid	8021B	119829
890-8866-43	CS - 43A	Total/NA	Solid	8021B	119829
890-8866-44	CS - 44A	Total/NA	Solid	8021B	119829
890-8866-45	CS - 45A	Total/NA	Solid	8021B	119829
890-8866-46	CS - 46A	Total/NA	Solid	8021B	119829
890-8866-47	CS - 47A	Total/NA	Solid	8021B	119829
MB 880-119829/5-A	Method Blank	Total/NA	Solid	8021B	119829
LCS 880-119829/1-A	Lab Control Sample	Total/NA	Solid	8021B	119829
LCSD 880-119829/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119829
890-8866-41 MS	CS - 41A	Total/NA	Solid	8021B	119829
890-8866-41 MSD	CS - 41A	Total/NA	Solid	8021B	119829

Analysis Batch: 119834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-1	CS - 1A	Total/NA	Solid	8021B	119825
890-8866-2	CS - 2A	Total/NA	Solid	8021B	119825
890-8866-3	CS - 3A	Total/NA	Solid	8021B	119825
890-8866-4	CS - 4A	Total/NA	Solid	8021B	119825
890-8866-5	CS - 5A	Total/NA	Solid	8021B	119825
890-8866-6	CS - 6A	Total/NA	Solid	8021B	119825
890-8866-7	CS - 7A	Total/NA	Solid	8021B	119825
890-8866-8	CS - 8A	Total/NA	Solid	8021B	119825
890-8866-9	CS - 9A	Total/NA	Solid	8021B	119825
890-8866-10	CS - 10A	Total/NA	Solid	8021B	119825
890-8866-11	CS - 11A	Total/NA	Solid	8021B	119825
890-8866-12	CS - 12A	Total/NA	Solid	8021B	119825
890-8866-13	CS - 13A	Total/NA	Solid	8021B	119825
890-8866-14	CS - 14A	Total/NA	Solid	8021B	119825
890-8866-15	CS - 15A	Total/NA	Solid	8021B	119825
890-8866-16	CS - 16A	Total/NA	Solid	8021B	119825

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 119834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-17	CS - 17A	Total/NA	Solid	8021B	119825
890-8866-18	CS - 18A	Total/NA	Solid	8021B	119825
890-8866-19	CS - 19A	Total/NA	Solid	8021B	119825
890-8866-20	CS - 20A	Total/NA	Solid	8021B	119825
890-8866-21	CS - 21A	Total/NA	Solid	8021B	119827
890-8866-22	CS - 22A	Total/NA	Solid	8021B	119827
890-8866-23	CS - 23A	Total/NA	Solid	8021B	119827
890-8866-24	CS - 24A	Total/NA	Solid	8021B	119827
890-8866-25	CS - 25A	Total/NA	Solid	8021B	119827
890-8866-26	CS - 26A	Total/NA	Solid	8021B	119827
890-8866-27	CS - 27A	Total/NA	Solid	8021B	119827
890-8866-28	CS - 28A	Total/NA	Solid	8021B	119827
890-8866-29	CS - 29A	Total/NA	Solid	8021B	119827
890-8866-30	CS - 30A	Total/NA	Solid	8021B	119827
890-8866-31	CS - 31A	Total/NA	Solid	8021B	119827
890-8866-32	CS - 32A	Total/NA	Solid	8021B	119827
890-8866-33	CS - 33A	Total/NA	Solid	8021B	119827
890-8866-34	CS - 34A	Total/NA	Solid	8021B	119827
890-8866-35	CS - 35A	Total/NA	Solid	8021B	119827
890-8866-36	CS - 36A	Total/NA	Solid	8021B	119827
890-8866-37	CS - 37A	Total/NA	Solid	8021B	119827
890-8866-38	CS - 38A	Total/NA	Solid	8021B	119827
890-8866-39	CS - 39A	Total/NA	Solid	8021B	119827
890-8866-40	CS - 40A	Total/NA	Solid	8021B	119827
MB 880-119825/5-A	Method Blank	Total/NA	Solid	8021B	119825
MB 880-119827/5-A	Method Blank	Total/NA	Solid	8021B	119827
LCS 880-119825/1-A	Lab Control Sample	Total/NA	Solid	8021B	119825
LCS 880-119827/1-A	Lab Control Sample	Total/NA	Solid	8021B	119827
LCSD 880-119825/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119825
LCSD 880-119827/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119827
890-8866-1 MS	CS - 1A	Total/NA	Solid	8021B	119825
890-8866-1 MSD	CS - 1A	Total/NA	Solid	8021B	119825
890-8866-21 MS	CS - 21A	Total/NA	Solid	8021B	119827
890-8866-21 MSD	CS - 21A	Total/NA	Solid	8021B	119827

Analysis Batch: 119964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-1	CS - 1A	Total/NA	Solid	Total BTEX	
890-8866-2	CS - 2A	Total/NA	Solid	Total BTEX	
890-8866-3	CS - 3A	Total/NA	Solid	Total BTEX	
890-8866-4	CS - 4A	Total/NA	Solid	Total BTEX	
890-8866-5	CS - 5A	Total/NA	Solid	Total BTEX	
890-8866-6	CS - 6A	Total/NA	Solid	Total BTEX	
890-8866-7	CS - 7A	Total/NA	Solid	Total BTEX	
890-8866-8	CS - 8A	Total/NA	Solid	Total BTEX	
890-8866-9	CS - 9A	Total/NA	Solid	Total BTEX	
890-8866-10	CS - 10A	Total/NA	Solid	Total BTEX	
890-8866-11	CS - 11A	Total/NA	Solid	Total BTEX	
890-8866-12	CS - 12A	Total/NA	Solid	Total BTEX	
890-8866-13	CS - 13A	Total/NA	Solid	Total BTEX	
890-8866-14	CS - 14A	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 119964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-15	CS - 15A	Total/NA	Solid	Total BTEX	
890-8866-16	CS - 16A	Total/NA	Solid	Total BTEX	
890-8866-17	CS - 17A	Total/NA	Solid	Total BTEX	
890-8866-18	CS - 18A	Total/NA	Solid	Total BTEX	
890-8866-19	CS - 19A	Total/NA	Solid	Total BTEX	
890-8866-20	CS - 20A	Total/NA	Solid	Total BTEX	
890-8866-21	CS - 21A	Total/NA	Solid	Total BTEX	
890-8866-22	CS - 22A	Total/NA	Solid	Total BTEX	
890-8866-23	CS - 23A	Total/NA	Solid	Total BTEX	
890-8866-24	CS - 24A	Total/NA	Solid	Total BTEX	
890-8866-25	CS - 25A	Total/NA	Solid	Total BTEX	
890-8866-26	CS - 26A	Total/NA	Solid	Total BTEX	
890-8866-27	CS - 27A	Total/NA	Solid	Total BTEX	
890-8866-28	CS - 28A	Total/NA	Solid	Total BTEX	
890-8866-29	CS - 29A	Total/NA	Solid	Total BTEX	
890-8866-30	CS - 30A	Total/NA	Solid	Total BTEX	
890-8866-31	CS - 31A	Total/NA	Solid	Total BTEX	
890-8866-32	CS - 32A	Total/NA	Solid	Total BTEX	
890-8866-33	CS - 33A	Total/NA	Solid	Total BTEX	
890-8866-34	CS - 34A	Total/NA	Solid	Total BTEX	
890-8866-35	CS - 35A	Total/NA	Solid	Total BTEX	
890-8866-36	CS - 36A	Total/NA	Solid	Total BTEX	
890-8866-37	CS - 37A	Total/NA	Solid	Total BTEX	
890-8866-38	CS - 38A	Total/NA	Solid	Total BTEX	
890-8866-39	CS - 39A	Total/NA	Solid	Total BTEX	
890-8866-40	CS - 40A	Total/NA	Solid	Total BTEX	
890-8866-41	CS - 41A	Total/NA	Solid	Total BTEX	
890-8866-42	CS - 42A	Total/NA	Solid	Total BTEX	
890-8866-43	CS - 43A	Total/NA	Solid	Total BTEX	
890-8866-44	CS - 44A	Total/NA	Solid	Total BTEX	
890-8866-45	CS - 45A	Total/NA	Solid	Total BTEX	
890-8866-46	CS - 46A	Total/NA	Solid	Total BTEX	
890-8866-47	CS - 47A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 119652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-7	CS - 7A	Total/NA	Solid	8015NM Prep	
890-8866-8	CS - 8A	Total/NA	Solid	8015NM Prep	
890-8866-9	CS - 9A	Total/NA	Solid	8015NM Prep	
890-8866-10	CS - 10A	Total/NA	Solid	8015NM Prep	
MB 880-119652/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119652/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 119830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-11	CS - 11A	Total/NA	Solid	8015NM Prep	
890-8866-12	CS - 12A	Total/NA	Solid	8015NM Prep	
890-8866-13	CS - 13A	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 119830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-14	CS - 14A	Total/NA	Solid	8015NM Prep	
890-8866-15	CS - 15A	Total/NA	Solid	8015NM Prep	
890-8866-16	CS - 16A	Total/NA	Solid	8015NM Prep	
890-8866-17	CS - 17A	Total/NA	Solid	8015NM Prep	
890-8866-18	CS - 18A	Total/NA	Solid	8015NM Prep	
890-8866-19	CS - 19A	Total/NA	Solid	8015NM Prep	
890-8866-20	CS - 20A	Total/NA	Solid	8015NM Prep	
890-8866-21	CS - 21A	Total/NA	Solid	8015NM Prep	
890-8866-22	CS - 22A	Total/NA	Solid	8015NM Prep	
890-8866-23	CS - 23A	Total/NA	Solid	8015NM Prep	
890-8866-24	CS - 24A	Total/NA	Solid	8015NM Prep	
890-8866-25	CS - 25A	Total/NA	Solid	8015NM Prep	
890-8866-26	CS - 26A	Total/NA	Solid	8015NM Prep	
890-8866-27	CS - 27A	Total/NA	Solid	8015NM Prep	
890-8866-28	CS - 28A	Total/NA	Solid	8015NM Prep	
890-8866-29	CS - 29A	Total/NA	Solid	8015NM Prep	
890-8866-30	CS - 30A	Total/NA	Solid	8015NM Prep	
MB 880-119830/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119830/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119830/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8866-11 MS	CS - 11A	Total/NA	Solid	8015NM Prep	
890-8866-11 MSD	CS - 11A	Total/NA	Solid	8015NM Prep	

Prep Batch: 119831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-31	CS - 31A	Total/NA	Solid	8015NM Prep	
890-8866-32	CS - 32A	Total/NA	Solid	8015NM Prep	
890-8866-33	CS - 33A	Total/NA	Solid	8015NM Prep	
890-8866-34	CS - 34A	Total/NA	Solid	8015NM Prep	
890-8866-35	CS - 35A	Total/NA	Solid	8015NM Prep	
890-8866-36	CS - 36A	Total/NA	Solid	8015NM Prep	
890-8866-37	CS - 37A	Total/NA	Solid	8015NM Prep	
890-8866-38	CS - 38A	Total/NA	Solid	8015NM Prep	
890-8866-39	CS - 39A	Total/NA	Solid	8015NM Prep	
890-8866-40	CS - 40A	Total/NA	Solid	8015NM Prep	
890-8866-41	CS - 41A	Total/NA	Solid	8015NM Prep	
890-8866-42	CS - 42A	Total/NA	Solid	8015NM Prep	
890-8866-43	CS - 43A	Total/NA	Solid	8015NM Prep	
890-8866-44	CS - 44A	Total/NA	Solid	8015NM Prep	
890-8866-45	CS - 45A	Total/NA	Solid	8015NM Prep	
890-8866-46	CS - 46A	Total/NA	Solid	8015NM Prep	
890-8866-47	CS - 47A	Total/NA	Solid	8015NM Prep	
MB 880-119831/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119831/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119831/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8866-31 MS	CS - 31A	Total/NA	Solid	8015NM Prep	
890-8866-31 MSD	CS - 31A	Total/NA	Solid	8015NM Prep	

Prep Batch: 119939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-1	CS - 1A	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 119939 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-2	CS - 2A	Total/NA	Solid	8015NM Prep	
890-8866-3	CS - 3A	Total/NA	Solid	8015NM Prep	
890-8866-4	CS - 4A	Total/NA	Solid	8015NM Prep	
890-8866-5	CS - 5A	Total/NA	Solid	8015NM Prep	
890-8866-6	CS - 6A	Total/NA	Solid	8015NM Prep	
MB 880-119939/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119939/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119939/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 119972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-7	CS - 7A	Total/NA	Solid	8015B NM	119652
890-8866-8	CS - 8A	Total/NA	Solid	8015B NM	119652
890-8866-9	CS - 9A	Total/NA	Solid	8015B NM	119652
890-8866-10	CS - 10A	Total/NA	Solid	8015B NM	119652
MB 880-119652/1-A	Method Blank	Total/NA	Solid	8015B NM	119652
LCS 880-119652/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119652
LCSD 880-119652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119652

Analysis Batch: 120071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-1	CS - 1A	Total/NA	Solid	8015B NM	119939
890-8866-2	CS - 2A	Total/NA	Solid	8015B NM	119939
890-8866-3	CS - 3A	Total/NA	Solid	8015B NM	119939
890-8866-4	CS - 4A	Total/NA	Solid	8015B NM	119939
890-8866-5	CS - 5A	Total/NA	Solid	8015B NM	119939
890-8866-6	CS - 6A	Total/NA	Solid	8015B NM	119939
MB 880-119939/1-A	Method Blank	Total/NA	Solid	8015B NM	119939
LCS 880-119939/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119939
LCSD 880-119939/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119939

Analysis Batch: 120128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-11	CS - 11A	Total/NA	Solid	8015B NM	119830
890-8866-12	CS - 12A	Total/NA	Solid	8015B NM	119830
890-8866-13	CS - 13A	Total/NA	Solid	8015B NM	119830
890-8866-14	CS - 14A	Total/NA	Solid	8015B NM	119830
890-8866-15	CS - 15A	Total/NA	Solid	8015B NM	119830
890-8866-16	CS - 16A	Total/NA	Solid	8015B NM	119830
890-8866-17	CS - 17A	Total/NA	Solid	8015B NM	119830
890-8866-18	CS - 18A	Total/NA	Solid	8015B NM	119830
890-8866-19	CS - 19A	Total/NA	Solid	8015B NM	119830
890-8866-20	CS - 20A	Total/NA	Solid	8015B NM	119830
890-8866-21	CS - 21A	Total/NA	Solid	8015B NM	119830
890-8866-22	CS - 22A	Total/NA	Solid	8015B NM	119830
890-8866-23	CS - 23A	Total/NA	Solid	8015B NM	119830
890-8866-24	CS - 24A	Total/NA	Solid	8015B NM	119830
890-8866-25	CS - 25A	Total/NA	Solid	8015B NM	119830
890-8866-26	CS - 26A	Total/NA	Solid	8015B NM	119830
890-8866-27	CS - 27A	Total/NA	Solid	8015B NM	119830
890-8866-28	CS - 28A	Total/NA	Solid	8015B NM	119830

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 120128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-29	CS - 29A	Total/NA	Solid	8015B NM	119830
890-8866-30	CS - 30A	Total/NA	Solid	8015B NM	119830
890-8866-31	CS - 31A	Total/NA	Solid	8015B NM	119831
890-8866-32	CS - 32A	Total/NA	Solid	8015B NM	119831
890-8866-33	CS - 33A	Total/NA	Solid	8015B NM	119831
890-8866-34	CS - 34A	Total/NA	Solid	8015B NM	119831
890-8866-35	CS - 35A	Total/NA	Solid	8015B NM	119831
890-8866-36	CS - 36A	Total/NA	Solid	8015B NM	119831
890-8866-37	CS - 37A	Total/NA	Solid	8015B NM	119831
890-8866-38	CS - 38A	Total/NA	Solid	8015B NM	119831
890-8866-39	CS - 39A	Total/NA	Solid	8015B NM	119831
890-8866-40	CS - 40A	Total/NA	Solid	8015B NM	119831
890-8866-41	CS - 41A	Total/NA	Solid	8015B NM	119831
890-8866-42	CS - 42A	Total/NA	Solid	8015B NM	119831
890-8866-43	CS - 43A	Total/NA	Solid	8015B NM	119831
890-8866-44	CS - 44A	Total/NA	Solid	8015B NM	119831
890-8866-45	CS - 45A	Total/NA	Solid	8015B NM	119831
890-8866-46	CS - 46A	Total/NA	Solid	8015B NM	119831
890-8866-47	CS - 47A	Total/NA	Solid	8015B NM	119831
MB 880-119830/1-A	Method Blank	Total/NA	Solid	8015B NM	119830
MB 880-119831/1-A	Method Blank	Total/NA	Solid	8015B NM	119831
LCS 880-119830/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119830
LCS 880-119831/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119831
LCSD 880-119830/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119830
LCSD 880-119831/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119831
890-8866-11 MS	CS - 11A	Total/NA	Solid	8015B NM	119830
890-8866-11 MSD	CS - 11A	Total/NA	Solid	8015B NM	119830
890-8866-31 MS	CS - 31A	Total/NA	Solid	8015B NM	119831
890-8866-31 MSD	CS - 31A	Total/NA	Solid	8015B NM	119831

Analysis Batch: 120186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-1	CS - 1A	Total/NA	Solid	8015 NM	
890-8866-2	CS - 2A	Total/NA	Solid	8015 NM	
890-8866-3	CS - 3A	Total/NA	Solid	8015 NM	
890-8866-4	CS - 4A	Total/NA	Solid	8015 NM	
890-8866-5	CS - 5A	Total/NA	Solid	8015 NM	
890-8866-6	CS - 6A	Total/NA	Solid	8015 NM	
890-8866-7	CS - 7A	Total/NA	Solid	8015 NM	
890-8866-8	CS - 8A	Total/NA	Solid	8015 NM	
890-8866-9	CS - 9A	Total/NA	Solid	8015 NM	
890-8866-10	CS - 10A	Total/NA	Solid	8015 NM	
890-8866-11	CS - 11A	Total/NA	Solid	8015 NM	
890-8866-12	CS - 12A	Total/NA	Solid	8015 NM	
890-8866-13	CS - 13A	Total/NA	Solid	8015 NM	
890-8866-14	CS - 14A	Total/NA	Solid	8015 NM	
890-8866-15	CS - 15A	Total/NA	Solid	8015 NM	
890-8866-16	CS - 16A	Total/NA	Solid	8015 NM	
890-8866-17	CS - 17A	Total/NA	Solid	8015 NM	
890-8866-18	CS - 18A	Total/NA	Solid	8015 NM	
890-8866-19	CS - 19A	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 120186 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-20	CS - 20A	Total/NA	Solid	8015 NM	
890-8866-21	CS - 21A	Total/NA	Solid	8015 NM	
890-8866-22	CS - 22A	Total/NA	Solid	8015 NM	
890-8866-23	CS - 23A	Total/NA	Solid	8015 NM	
890-8866-24	CS - 24A	Total/NA	Solid	8015 NM	
890-8866-25	CS - 25A	Total/NA	Solid	8015 NM	
890-8866-26	CS - 26A	Total/NA	Solid	8015 NM	
890-8866-27	CS - 27A	Total/NA	Solid	8015 NM	
890-8866-28	CS - 28A	Total/NA	Solid	8015 NM	
890-8866-29	CS - 29A	Total/NA	Solid	8015 NM	
890-8866-30	CS - 30A	Total/NA	Solid	8015 NM	
890-8866-31	CS - 31A	Total/NA	Solid	8015 NM	
890-8866-32	CS - 32A	Total/NA	Solid	8015 NM	
890-8866-33	CS - 33A	Total/NA	Solid	8015 NM	
890-8866-34	CS - 34A	Total/NA	Solid	8015 NM	
890-8866-35	CS - 35A	Total/NA	Solid	8015 NM	
890-8866-36	CS - 36A	Total/NA	Solid	8015 NM	
890-8866-37	CS - 37A	Total/NA	Solid	8015 NM	
890-8866-38	CS - 38A	Total/NA	Solid	8015 NM	
890-8866-39	CS - 39A	Total/NA	Solid	8015 NM	
890-8866-40	CS - 40A	Total/NA	Solid	8015 NM	
890-8866-41	CS - 41A	Total/NA	Solid	8015 NM	
890-8866-42	CS - 42A	Total/NA	Solid	8015 NM	
890-8866-43	CS - 43A	Total/NA	Solid	8015 NM	
890-8866-44	CS - 44A	Total/NA	Solid	8015 NM	
890-8866-45	CS - 45A	Total/NA	Solid	8015 NM	
890-8866-46	CS - 46A	Total/NA	Solid	8015 NM	
890-8866-47	CS - 47A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 119826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-1	CS - 1A	Soluble	Solid	DI Leach	
890-8866-2	CS - 2A	Soluble	Solid	DI Leach	
890-8866-3	CS - 3A	Soluble	Solid	DI Leach	
890-8866-4	CS - 4A	Soluble	Solid	DI Leach	
890-8866-5	CS - 5A	Soluble	Solid	DI Leach	
890-8866-6	CS - 6A	Soluble	Solid	DI Leach	
890-8866-7	CS - 7A	Soluble	Solid	DI Leach	
890-8866-8	CS - 8A	Soluble	Solid	DI Leach	
890-8866-9	CS - 9A	Soluble	Solid	DI Leach	
890-8866-10	CS - 10A	Soluble	Solid	DI Leach	
890-8866-11	CS - 11A	Soluble	Solid	DI Leach	
890-8866-12	CS - 12A	Soluble	Solid	DI Leach	
890-8866-13	CS - 13A	Soluble	Solid	DI Leach	
890-8866-14	CS - 14A	Soluble	Solid	DI Leach	
890-8866-15	CS - 15A	Soluble	Solid	DI Leach	
890-8866-16	CS - 16A	Soluble	Solid	DI Leach	
890-8866-17	CS - 17A	Soluble	Solid	DI Leach	
890-8866-18	CS - 18A	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 119826 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-19	CS - 19A	Soluble	Solid	DI Leach	
890-8866-20	CS - 20A	Soluble	Solid	DI Leach	
MB 880-119826/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119826/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119826/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8866-1 MS	CS - 1A	Soluble	Solid	DI Leach	
890-8866-1 MSD	CS - 1A	Soluble	Solid	DI Leach	
890-8866-11 MS	CS - 11A	Soluble	Solid	DI Leach	
890-8866-11 MSD	CS - 11A	Soluble	Solid	DI Leach	

Leach Batch: 119828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-21	CS - 21A	Soluble	Solid	DI Leach	
890-8866-22	CS - 22A	Soluble	Solid	DI Leach	
890-8866-23	CS - 23A	Soluble	Solid	DI Leach	
890-8866-24	CS - 24A	Soluble	Solid	DI Leach	
890-8866-25	CS - 25A	Soluble	Solid	DI Leach	
890-8866-26	CS - 26A	Soluble	Solid	DI Leach	
890-8866-27	CS - 27A	Soluble	Solid	DI Leach	
890-8866-28	CS - 28A	Soluble	Solid	DI Leach	
890-8866-29	CS - 29A	Soluble	Solid	DI Leach	
890-8866-30	CS - 30A	Soluble	Solid	DI Leach	
890-8866-31	CS - 31A	Soluble	Solid	DI Leach	
890-8866-32	CS - 32A	Soluble	Solid	DI Leach	
890-8866-33	CS - 33A	Soluble	Solid	DI Leach	
890-8866-34	CS - 34A	Soluble	Solid	DI Leach	
890-8866-35	CS - 35A	Soluble	Solid	DI Leach	
890-8866-36	CS - 36A	Soluble	Solid	DI Leach	
890-8866-37	CS - 37A	Soluble	Solid	DI Leach	
890-8866-38	CS - 38A	Soluble	Solid	DI Leach	
890-8866-39	CS - 39A	Soluble	Solid	DI Leach	
890-8866-40	CS - 40A	Soluble	Solid	DI Leach	
MB 880-119828/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119828/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119828/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8866-21 MS	CS - 21A	Soluble	Solid	DI Leach	
890-8866-21 MSD	CS - 21A	Soluble	Solid	DI Leach	
890-8866-31 MS	CS - 31A	Soluble	Solid	DI Leach	
890-8866-31 MSD	CS - 31A	Soluble	Solid	DI Leach	

Analysis Batch: 119862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-1	CS - 1A	Soluble	Solid	300.0	119826
890-8866-2	CS - 2A	Soluble	Solid	300.0	119826
890-8866-3	CS - 3A	Soluble	Solid	300.0	119826
890-8866-4	CS - 4A	Soluble	Solid	300.0	119826
890-8866-5	CS - 5A	Soluble	Solid	300.0	119826
890-8866-6	CS - 6A	Soluble	Solid	300.0	119826
890-8866-7	CS - 7A	Soluble	Solid	300.0	119826
890-8866-8	CS - 8A	Soluble	Solid	300.0	119826
890-8866-9	CS - 9A	Soluble	Solid	300.0	119826

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 119862 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-10	CS - 10A	Soluble	Solid	300.0	119826
890-8866-11	CS - 11A	Soluble	Solid	300.0	119826
890-8866-12	CS - 12A	Soluble	Solid	300.0	119826
890-8866-13	CS - 13A	Soluble	Solid	300.0	119826
890-8866-14	CS - 14A	Soluble	Solid	300.0	119826
890-8866-15	CS - 15A	Soluble	Solid	300.0	119826
890-8866-16	CS - 16A	Soluble	Solid	300.0	119826
890-8866-17	CS - 17A	Soluble	Solid	300.0	119826
890-8866-18	CS - 18A	Soluble	Solid	300.0	119826
890-8866-19	CS - 19A	Soluble	Solid	300.0	119826
890-8866-20	CS - 20A	Soluble	Solid	300.0	119826
MB 880-119826/1-A	Method Blank	Soluble	Solid	300.0	119826
LCS 880-119826/2-A	Lab Control Sample	Soluble	Solid	300.0	119826
LCSD 880-119826/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119826
890-8866-1 MS	CS - 1A	Soluble	Solid	300.0	119826
890-8866-1 MSD	CS - 1A	Soluble	Solid	300.0	119826
890-8866-11 MS	CS - 11A	Soluble	Solid	300.0	119826
890-8866-11 MSD	CS - 11A	Soluble	Solid	300.0	119826

Leach Batch: 119863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-41	CS - 41A	Soluble	Solid	DI Leach	
890-8866-42	CS - 42A	Soluble	Solid	DI Leach	
890-8866-43	CS - 43A	Soluble	Solid	DI Leach	
890-8866-44	CS - 44A	Soluble	Solid	DI Leach	
890-8866-45	CS - 45A	Soluble	Solid	DI Leach	
890-8866-46	CS - 46A	Soluble	Solid	DI Leach	
890-8866-47	CS - 47A	Soluble	Solid	DI Leach	
MB 880-119863/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119863/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119863/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 119880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-21	CS - 21A	Soluble	Solid	300.0	119828
890-8866-22	CS - 22A	Soluble	Solid	300.0	119828
890-8866-23	CS - 23A	Soluble	Solid	300.0	119828
890-8866-24	CS - 24A	Soluble	Solid	300.0	119828
890-8866-25	CS - 25A	Soluble	Solid	300.0	119828
890-8866-26	CS - 26A	Soluble	Solid	300.0	119828
890-8866-27	CS - 27A	Soluble	Solid	300.0	119828
890-8866-28	CS - 28A	Soluble	Solid	300.0	119828
890-8866-29	CS - 29A	Soluble	Solid	300.0	119828
890-8866-30	CS - 30A	Soluble	Solid	300.0	119828
890-8866-31	CS - 31A	Soluble	Solid	300.0	119828
890-8866-32	CS - 32A	Soluble	Solid	300.0	119828
890-8866-33	CS - 33A	Soluble	Solid	300.0	119828
890-8866-34	CS - 34A	Soluble	Solid	300.0	119828
890-8866-35	CS - 35A	Soluble	Solid	300.0	119828
890-8866-36	CS - 36A	Soluble	Solid	300.0	119828
890-8866-37	CS - 37A	Soluble	Solid	300.0	119828

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 119880 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-38	CS - 38A	Soluble	Solid	300.0	119828
890-8866-39	CS - 39A	Soluble	Solid	300.0	119828
890-8866-40	CS - 40A	Soluble	Solid	300.0	119828
MB 880-119828/1-A	Method Blank	Soluble	Solid	300.0	119828
LCS 880-119828/2-A	Lab Control Sample	Soluble	Solid	300.0	119828
LCSD 880-119828/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119828
890-8866-21 MS	CS - 21A	Soluble	Solid	300.0	119828
890-8866-21 MSD	CS - 21A	Soluble	Solid	300.0	119828
890-8866-31 MS	CS - 31A	Soluble	Solid	300.0	119828
890-8866-31 MSD	CS - 31A	Soluble	Solid	300.0	119828

Analysis Batch: 119908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8866-41	CS - 41A	Soluble	Solid	300.0	119863
890-8866-42	CS - 42A	Soluble	Solid	300.0	119863
890-8866-43	CS - 43A	Soluble	Solid	300.0	119863
890-8866-44	CS - 44A	Soluble	Solid	300.0	119863
890-8866-45	CS - 45A	Soluble	Solid	300.0	119863
890-8866-46	CS - 46A	Soluble	Solid	300.0	119863
890-8866-47	CS - 47A	Soluble	Solid	300.0	119863
MB 880-119863/1-A	Method Blank	Soluble	Solid	300.0	119863
LCS 880-119863/2-A	Lab Control Sample	Soluble	Solid	300.0	119863
LCSD 880-119863/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119863

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 1A

Date Collected: 09/24/25 09:25
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-1
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			4.98 g	5 mL	119825	09/26/25 08:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 23:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 16:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119939	09/29/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120071	09/30/25 16:04	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 12:24	CS	EET MID

Client Sample ID: CS - 2A

Date Collected: 09/24/25 09:30
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-2
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			5.03 g	5 mL	119825	09/26/25 08:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 23:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 16:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119939	09/29/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120071	09/30/25 16:19	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 12:40	CS	EET MID

Client Sample ID: CS - 3A

Date Collected: 09/24/25 09:35
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-3
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			5.01 g	5 mL	119825	09/26/25 08:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 23:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 16:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119939	09/29/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120071	09/30/25 16:35	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 12:45	CS	EET MID

Client Sample ID: CS - 4A

Date Collected: 09/24/25 09:40
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-4
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	119825	09/26/25 08:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 00:13	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 4A
Date Collected: 09/24/25 09:40
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-4
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			120186	09/30/25 16:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119939	09/29/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120071	09/30/25 16:50	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 12:50	CS	EET MID

Client Sample ID: CS - 5A
Date Collected: 09/24/25 09:45
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-5
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			4.95 g	5 mL	119825	09/26/25 08:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 00:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 17:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119939	09/29/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120071	09/30/25 17:05	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 12:56	CS	EET MID

Client Sample ID: CS - 6A
Date Collected: 09/24/25 09:50
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-6
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			5.04 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 00:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 17:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119939	09/29/25 08:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120071	09/30/25 17:20	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 13:11	CS	EET MID

Client Sample ID: CS - 7A
Date Collected: 09/24/25 09:55
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-7
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			4.96 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 01:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 17:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 17:31	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 7A

Date Collected: 09/24/25 09:55
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-7

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			5.05 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 13:17	CS	EET MID

Client Sample ID: CS - 8A

Date Collected: 09/24/25 10:00
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-8

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	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 01:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 17:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 17:44	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 13:22	CS	EET MID

Client Sample ID: CS - 9A

Date Collected: 09/24/25 10:05
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-9

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	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 01:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 01:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 17:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 17:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 13:27	CS	EET MID

Client Sample ID: CS - 10A

Date Collected: 09/24/25 10:10
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-10

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			5.00 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 02:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 02:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 18:12	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	119652	09/24/25 10:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	119972	09/30/25 18:12	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 13:32	CS	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 11A

Lab Sample ID: 890-8866-11
Matrix: Solid
Date Collected: 09/24/25 10:15
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 03:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 03:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 20:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 20:50	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 13:38	CS	EET MID

Client Sample ID: CS - 12A

Lab Sample ID: 890-8866-12
Matrix: Solid
Date Collected: 09/24/25 10:20
Date Received: 09/25/25 10:19

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	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 04:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 21:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 21:36	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 13:53	CS	EET MID

Client Sample ID: CS - 13A

Lab Sample ID: 890-8866-13
Matrix: Solid
Date Collected: 09/24/25 10:25
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 04:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 04:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 21:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 21:50	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 13:59	CS	EET MID

Client Sample ID: CS - 14A

Lab Sample ID: 890-8866-14
Matrix: Solid
Date Collected: 09/24/25 10:30
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 04:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 04:52	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 14A

Date Collected: 09/24/25 10:30
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-14

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			120186	09/30/25 22:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 22:05	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 14:15	CS	EET MID

Client Sample ID: CS - 15A

Date Collected: 09/24/25 10:35
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-15

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	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 05:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 05:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 22:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 22:19	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 14:20	CS	EET MID

Client Sample ID: CS - 16A

Date Collected: 09/24/25 10:40
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-16

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			4.99 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 05:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 22:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 22:34	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 14:25	CS	EET MID

Client Sample ID: CS - 17A

Date Collected: 09/24/25 10:45
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-17

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	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 05:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 05:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 22:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 22:48	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8866-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: CS - 17A
Lab Sample ID: 890-8866-17
Date Collected: 09/24/25 10:45
Matrix: Solid
Date Received: 09/25/25 10:19

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	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 14:30	CS	EET MID

Client Sample ID: CS - 18A
Lab Sample ID: 890-8866-18
Date Collected: 09/24/25 10:50
Matrix: Solid
Date Received: 09/25/25 10:19

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	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 06:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 06:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 23:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 23:04	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 14:35	CS	EET MID

Client Sample ID: CS - 19A
Lab Sample ID: 890-8866-19
Date Collected: 09/24/25 10:55
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 06:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 06:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 23:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 23:18	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 14:41	CS	EET MID

Client Sample ID: CS - 20A
Lab Sample ID: 890-8866-20
Date Collected: 09/24/25 11:00
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	119825	09/26/25 08:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/27/25 06:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/27/25 06:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	09/30/25 23:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	09/30/25 23:33	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	119826	09/26/25 08:29	SA	EET MID
Soluble	Analysis	300.0		1			119862	09/26/25 14:46	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 21A

Lab Sample ID: 890-8866-21
Matrix: Solid
Date Collected: 09/24/25 11:05
Date Received: 09/25/25 10:19

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	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 12:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 00:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 00:01	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 15:42	CS	EET MID

Client Sample ID: CS - 22A

Lab Sample ID: 890-8866-22
Matrix: Solid
Date Collected: 09/24/25 11:10
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 12:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 00:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 00:15	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 16:00	CS	EET MID

Client Sample ID: CS - 23A

Lab Sample ID: 890-8866-23
Matrix: Solid
Date Collected: 09/24/25 11:15
Date Received: 09/25/25 10:19

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	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 12:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 00:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 00:30	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 16:23	CS	EET MID

Client Sample ID: CS - 24A

Lab Sample ID: 890-8866-24
Matrix: Solid
Date Collected: 09/24/25 11:20
Date Received: 09/25/25 10:19

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	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 13:15	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8866-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: CS - 24A
Lab Sample ID: 890-8866-24
Date Collected: 09/24/25 11:20
Matrix: Solid
Date Received: 09/25/25 10:19

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			120186	10/01/25 00:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 00:44	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 16:29	CS	EET MID

Client Sample ID: CS - 25A
Lab Sample ID: 890-8866-25
Date Collected: 09/24/25 11:25
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 13:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 00:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 00:59	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 16:35	CS	EET MID

Client Sample ID: CS - 26A
Lab Sample ID: 890-8866-26
Date Collected: 09/24/25 11:30
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 13:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 01:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 01:13	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 16:53	CS	EET MID

Client Sample ID: CS - 27A
Lab Sample ID: 890-8866-27
Date Collected: 09/24/25 11:35
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 14:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 01:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 01:27	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 27A

Lab Sample ID: 890-8866-27
Matrix: Solid
Date Collected: 09/24/25 11:35
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 16:58	CS	EET MID

Client Sample ID: CS - 28A

Lab Sample ID: 890-8866-28
Matrix: Solid
Date Collected: 09/24/25 11:40
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 14:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 01:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 01:41	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 17:04	CS	EET MID

Client Sample ID: CS - 29A

Lab Sample ID: 890-8866-29
Matrix: Solid
Date Collected: 09/24/25 11:45
Date Received: 09/25/25 10:19

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	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 14:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 01:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 01:56	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 17:10	CS	EET MID

Client Sample ID: CS - 30A

Lab Sample ID: 890-8866-30
Matrix: Solid
Date Collected: 09/24/25 11:50
Date Received: 09/25/25 10:19

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	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 15:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 02:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119830	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 02:10	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 17:16	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 31A

Lab Sample ID: 890-8866-31
Matrix: Solid
Date Collected: 09/24/25 11:55
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 16:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 16:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 04:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 04:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 17:22	CS	EET MID

Client Sample ID: CS - 32A

Lab Sample ID: 890-8866-32
Matrix: Solid
Date Collected: 09/24/25 12:00
Date Received: 09/25/25 10:19

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	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 17:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 17:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 04:50	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 04:50	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 17:40	CS	EET MID

Client Sample ID: CS - 33A

Lab Sample ID: 890-8866-33
Matrix: Solid
Date Collected: 09/24/25 12:05
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 17:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 05:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 05:04	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 17:45	CS	EET MID

Client Sample ID: CS - 34A

Lab Sample ID: 890-8866-34
Matrix: Solid
Date Collected: 09/24/25 12:10
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 17:54	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8866-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: CS - 34A
Lab Sample ID: 890-8866-34
Date Collected: 09/24/25 12:10
Matrix: Solid
Date Received: 09/25/25 10:19

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			120186	10/01/25 05:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 05:18	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 18:03	CS	EET MID

Client Sample ID: CS - 35A
Lab Sample ID: 890-8866-35
Date Collected: 09/24/25 12:15
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 18:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 05:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 05:32	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 18:09	CS	EET MID

Client Sample ID: CS - 36A
Lab Sample ID: 890-8866-36
Date Collected: 09/24/25 12:20
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 18:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 05:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 05:46	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 18:15	CS	EET MID

Client Sample ID: CS - 37A
Lab Sample ID: 890-8866-37
Date Collected: 09/24/25 12:25
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 18:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 06:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 06:00	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 37A

Lab Sample ID: 890-8866-37
Matrix: Solid
Date Collected: 09/24/25 12:25
Date Received: 09/25/25 10:19

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	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 18:21	CS	EET MID

Client Sample ID: CS - 38A

Lab Sample ID: 890-8866-38
Matrix: Solid
Date Collected: 09/24/25 12:30
Date Received: 09/25/25 10:19

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	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 19:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 06:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 06:14	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 18:27	CS	EET MID

Client Sample ID: CS - 39A

Lab Sample ID: 890-8866-39
Matrix: Solid
Date Collected: 09/24/25 12:35
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 19:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 06:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 06:29	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 18:32	CS	EET MID

Client Sample ID: CS - 40A

Lab Sample ID: 890-8866-40
Matrix: Solid
Date Collected: 09/24/25 12:40
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	119827	09/26/25 08:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119834	09/26/25 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 19:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 06:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 06:43	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	119828	09/26/25 08:32	SA	EET MID
Soluble	Analysis	300.0		1			119880	09/26/25 18:38	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 41A

Lab Sample ID: 890-8866-41
Matrix: Solid
Date Collected: 09/24/25 12:45
Date Received: 09/25/25 10:19

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	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 14:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 07:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 07:12	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 03:27	CS	EET MID

Client Sample ID: CS - 42A

Lab Sample ID: 890-8866-42
Matrix: Solid
Date Collected: 09/24/25 12:50
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 14:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 07:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 07:28	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 03:32	CS	EET MID

Client Sample ID: CS - 43A

Lab Sample ID: 890-8866-43
Matrix: Solid
Date Collected: 09/24/25 12:55
Date Received: 09/25/25 10:19

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	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 15:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 07:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 07:41	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 03:48	CS	EET MID

Client Sample ID: CS - 44A

Lab Sample ID: 890-8866-44
Matrix: Solid
Date Collected: 09/24/25 13:00
Date Received: 09/25/25 10:19

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	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 15:32	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8866-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: CS - 44A
Lab Sample ID: 890-8866-44
Date Collected: 09/24/25 13:00
Matrix: Solid
Date Received: 09/25/25 10:19

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			120186	10/01/25 07:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 07:56	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 03:53	CS	EET MID

Client Sample ID: CS - 45A
Lab Sample ID: 890-8866-45
Date Collected: 09/24/25 13:05
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 15:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 15:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 08:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 08:09	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 03:58	CS	EET MID

Client Sample ID: CS - 46A
Lab Sample ID: 890-8866-46
Date Collected: 09/24/25 13:10
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 16:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 16:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 08:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 08:24	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 04:03	CS	EET MID

Client Sample ID: CS - 47A
Lab Sample ID: 890-8866-47
Date Collected: 09/24/25 13:15
Matrix: Solid
Date Received: 09/25/25 10:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 16:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119964	09/26/25 16:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			120186	10/01/25 08:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 08:38	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Client Sample ID: CS - 47A

Date Collected: 09/24/25 13:15
Date Received: 09/25/25 10:19

Lab Sample ID: 890-8866-47

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	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 04:09	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: 890-8866-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8866-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8866-1	CS - 1A	Solid	09/24/25 09:25	09/25/25 10:19	6
890-8866-2	CS - 2A	Solid	09/24/25 09:30	09/25/25 10:19	6
890-8866-3	CS - 3A	Solid	09/24/25 09:35	09/25/25 10:19	6
890-8866-4	CS - 4A	Solid	09/24/25 09:40	09/25/25 10:19	6
890-8866-5	CS - 5A	Solid	09/24/25 09:45	09/25/25 10:19	6
890-8866-6	CS - 6A	Solid	09/24/25 09:50	09/25/25 10:19	2
890-8866-7	CS - 7A	Solid	09/24/25 09:55	09/25/25 10:19	2
890-8866-8	CS - 8A	Solid	09/24/25 10:00	09/25/25 10:19	2
890-8866-9	CS - 9A	Solid	09/24/25 10:05	09/25/25 10:19	2
890-8866-10	CS - 10A	Solid	09/24/25 10:10	09/25/25 10:19	2
890-8866-11	CS - 11A	Solid	09/24/25 10:15	09/25/25 10:19	2
890-8866-12	CS - 12A	Solid	09/24/25 10:20	09/25/25 10:19	2
890-8866-13	CS - 13A	Solid	09/24/25 10:25	09/25/25 10:19	2
890-8866-14	CS - 14A	Solid	09/24/25 10:30	09/25/25 10:19	2
890-8866-15	CS - 15A	Solid	09/24/25 10:35	09/25/25 10:19	2
890-8866-16	CS - 16A	Solid	09/24/25 10:40	09/25/25 10:19	2
890-8866-17	CS - 17A	Solid	09/24/25 10:45	09/25/25 10:19	2
890-8866-18	CS - 18A	Solid	09/24/25 10:50	09/25/25 10:19	2
890-8866-19	CS - 19A	Solid	09/24/25 10:55	09/25/25 10:19	2
890-8866-20	CS - 20A	Solid	09/24/25 11:00	09/25/25 10:19	2
890-8866-21	CS - 21A	Solid	09/24/25 11:05	09/25/25 10:19	2
890-8866-22	CS - 22A	Solid	09/24/25 11:10	09/25/25 10:19	2
890-8866-23	CS - 23A	Solid	09/24/25 11:15	09/25/25 10:19	2
890-8866-24	CS - 24A	Solid	09/24/25 11:20	09/25/25 10:19	2
890-8866-25	CS - 25A	Solid	09/24/25 11:25	09/25/25 10:19	2
890-8866-26	CS - 26A	Solid	09/24/25 11:30	09/25/25 10:19	2
890-8866-27	CS - 27A	Solid	09/24/25 11:35	09/25/25 10:19	2
890-8866-28	CS - 28A	Solid	09/24/25 11:40	09/25/25 10:19	2
890-8866-29	CS - 29A	Solid	09/24/25 11:45	09/25/25 10:19	2
890-8866-30	CS - 30A	Solid	09/24/25 11:50	09/25/25 10:19	2
890-8866-31	CS - 31A	Solid	09/24/25 11:55	09/25/25 10:19	2
890-8866-32	CS - 32A	Solid	09/24/25 12:00	09/25/25 10:19	2
890-8866-33	CS - 33A	Solid	09/24/25 12:05	09/25/25 10:19	2
890-8866-34	CS - 34A	Solid	09/24/25 12:10	09/25/25 10:19	2
890-8866-35	CS - 35A	Solid	09/24/25 12:15	09/25/25 10:19	2
890-8866-36	CS - 36A	Solid	09/24/25 12:20	09/25/25 10:19	2
890-8866-37	CS - 37A	Solid	09/24/25 12:25	09/25/25 10:19	2
890-8866-38	CS - 38A	Solid	09/24/25 12:30	09/25/25 10:19	2
890-8866-39	CS - 39A	Solid	09/24/25 12:35	09/25/25 10:19	2
890-8866-40	CS - 40A	Solid	09/24/25 12:40	09/25/25 10:19	2
890-8866-41	CS - 41A	Solid	09/24/25 12:45	09/25/25 10:19	2
890-8866-42	CS - 42A	Solid	09/24/25 12:50	09/25/25 10:19	2
890-8866-43	CS - 43A	Solid	09/24/25 12:55	09/25/25 10:19	2
890-8866-44	CS - 44A	Solid	09/24/25 13:00	09/25/25 10:19	2
890-8866-45	CS - 45A	Solid	09/24/25 13:05	09/25/25 10:19	2
890-8866-46	CS - 46A	Solid	09/24/25 13:10	09/25/25 10:19	2
890-8866-47	CS - 47A	Solid	09/24/25 13:15	09/25/25 10:19	2

Page 599 of 808

10/1/2025

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

Work Order No: _____

www.xenco.com Page 1 of 6

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-7.9
Total Containers:		Corrected Temperature:	-6.7

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	Sample Comments
CS-1	S	9.24.25	9:25	6	Comp	1	X	X	X			Incident Number
CS-2	S	9.24.25	9:30	6	Comp	1	X	X	X			nAPP2513556445
CS-3	S	9.24.25	9:35	6	Comp	1	X	X	X			
CS-4	S	9.24.25	9:40	6	Comp	1	X	X	X			
CS-5	S	9.24.25	9:45	6	Comp	1	X	X	X			
CS-6	S	9.24.25	9:50	2	Comp	1	X	X	X			
CS-7	S	9.24.25	9:55	2	Comp	1	X	X	X			
CS-8	S	9.24.25	10:00	2	Comp	1	X	X	X			
CS-9	S	9.24.25	10:05	2	Comp	1	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		9/25 10:13	2		
3			4		
5			6		

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Page 89 of 96

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Work Order No: _____

www.xenco.com Page 2 of 6

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		TVM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:		-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:		-7.0	
Total Containers:		Corrected Temperature:		-6.8	

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	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-10	S	9.24.25	10:10	2	Comp	1	X	X	X			Incident Number
CS-11	S	9.24.25	10:15	2	Comp	1	X	X	X			nAPP2513556445
CS-12	S	9.24.25	10:20	2	Comp	1	X	X	X			
CS-13	S	9.24.25	10:25	2	Comp	1	X	X	X			
CS-14	S	9.24.25	10:30	2	Comp	1	X	X	X			
CS-15	S	9.24.25	10:35	2	Comp	1	X	X	X			
CS-16	S	9.24.25	10:40	2	Comp	1	X	X	X			
CS-17	S	9.24.25	10:45	2	Comp	1	X	X	X			
CS-18	S	9.24.25	10:50	2	Comp	1	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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3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 90 of 96

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Page 601 of 808

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Work Order No: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	Tw#002
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-7.0
Total Containers:		Corrected Temperature:	-6.8

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	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-19	S	9.24.25	10:55	2	Comp	1	X	X	X			Incident Number
CS-20	S	9.24.25	11:00	2	Comp	1	X	X	X			nAPP2513556445
CS-21	S	9.24.25	11:05	2	Comp	1	X	X	X			
CS-22	S	9.24.25	11:10	2	Comp	1	X	X	X			
CS-23	S	9.24.25	11:15	2	Comp	1	X	X	X			
CS-24	S	9.24.25	11:20	2	Comp	1	X	X	X			
CS-25	S	9.24.25	11:25	2	Comp	1	X	X	X			
CS-26	S	9.24.25	11:30	2	Comp	1	X	X	X			
CS-27	S	9.24.25	11:35	2	Comp	1	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		9/25 10:13	4		
3			6		
5					

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Page 91 of 96

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Work Order No: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Tam007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-7.0
Total Containers:		Corrected Temperature:	-6.8

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	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-28	S	9.24.25	11:40	2	Comp	1	X	X	X			Incident Number
CS-29	S	9.24.25	11:45	2	Comp	1	X	X	X			nAPP2513556445
CS-30	S	9.24.25	11:50	2	Comp	1	X	X	X			
CS-31	S	9.24.25	11:55	2	Comp	1	X	X	X			
CS-32	S	9.24.25	12:00	2	Comp	1	X	X	X			
CS-33	S	9.24.25	12:05	2	Comp	1	X	X	X			
CS-34	S	9.24.25	12:10	2	Comp	1	X	X	X			
CS-35	S	9.24.25	12:15	2	Comp	1	X	X	X			
CS-36	S	9.24.25	12:20	2	Comp	1	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

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0		9/25 10:43	2		
3			4		
5			6		

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Page 92 of 96

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Work Order No: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TM002
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-7.9
Total Containers:		Corrected Temperature:	-6.8

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	Sample Comments
CS-37	S	9.24.25	12:25	2	Comp	1		X	X	X			Incident Number
CS-38	S	9.24.25	12:30	2	Comp	1		X	X	X			nAPP2513556445
CS-39	S	9.24.25	12:35	2	Comp	1		X	X	X			
CS-40	S	9.24.25	12:40	2	Comp	1		X	X	X			
CS-41	S	9.24.25	12:45	2	Comp	1		X	X	X			
CS-42	S	9.24.25	12:50	2	Comp	1		X	X	X			
CS-43	S	9.24.25	12:55	2	Comp	1		X	X	X			
CS-44	S	9.24.25	13:00	2	Comp	1		X	X	X			
CS-45	S	9.24.25	13:05	2	Comp	1		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			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 93 of 96

Received by OCD: 11/18/2025 12:30:18 PM

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Page 604 of 808

10/1/2025

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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)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	☑ Routine ☐ Rush
Project Number:	422	Due Date:	Routine TAT
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:	21587615		

SAMPLE RECEIPT

Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TAM002
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-7.8
Total Containers:		Corrected Temperature:	-6.8

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	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-46	S	9.24.25	13:10	2	Comp	1		X	X	X			Incident Number
CS-47	S	9.24.25	13:15	2	Comp	1		X	X	X			nAPP2513556445

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			9/25 10:15	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 94 of 96

Received by OCD: 11/18/2025 12:30:18 PM

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8866-1
SDG Number: Eddy County, NM

Login Number: 8866
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: 890-8866-1
SDG Number: Eddy County, NM

Login Number: 8866
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 09/26/25 08:21 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 10/8/2025 5:13:27 PM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8897-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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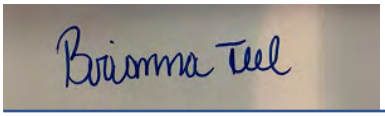
Eurofins Carlsbad

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: Ross Draw Unit 43

Laboratory Job ID: 890-8897-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 7
Surrogate Summary 39
QC Sample Results 42
QC Association Summary 55
Lab Chronicle 65
Certification Summary 78
Method Summary 79
Sample Summary 80
Chain of Custody 81
Receipt Checklists 89

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
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.

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.
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: 890-8897-1
Project: Ross Draw Unit 43

Job ID: 890-8897-1 Eurofins Carlsbad

Job Narrative
890-8897-1

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 10/1/2025 1:56 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 -14.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-88A (890-8897-1), CS-89A (890-8897-2), CS-90A (890-8897-3), CS-91A (890-8897-4), CS-92A (890-8897-5), CS-93A (890-8897-6), CS-94A (890-8897-7), CS-95A (890-8897-8), CS-96A (890-8897-9), CS-97A (890-8897-10), CS-98A (890-8897-11), CS-99A (890-8897-12), CS-100A (890-8897-13), CS-101A (890-8897-14), CS-102A (890-8897-15), CS-103A (890-8897-16), CS-104A (890-8897-17), CS-105A (890-8897-18), CS-106A (890-8897-19), CS-107A (890-8897-20), CS-108A (890-8897-21), CS-109A (890-8897-22), CS-110A (890-8897-23), CS-111A (890-8897-24), CS-112A (890-8897-25), CS-113A (890-8897-26), CS-114A (890-8897-27), CS-115A (890-8897-28), CS-116A (890-8897-29), CS-117A (890-8897-30), CS-118A (890-8897-31), CS-119A (890-8897-32), CS-120A (890-8897-33), CS-121A (890-8897-34), CS-122A (890-8897-35), CS-123A (890-8897-36), CS-124A (890-8897-37), CS-26B (890-8897-38), CS-27B (890-8897-39) and CS-28B (890-8897-40).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-120367 and analytical batch 880-120262 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.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-96A (890-8897-9), CS-97A (890-8897-10), CS-98A (890-8897-11), CS-101A (890-8897-14) and CS-102A (890-8897-15). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-120370 and analytical batch 880-120472 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.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: CS-108A (890-8897-21). 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.

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-120272/2-A) and (LCSD 880-120272/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-120268 and analytical batch 880-120386 were outside control limits for one or more analytes. See QC Sample Results for

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8897-1
Project: Ross Draw Unit 43

Job ID: 890-8897-1 (Continued) Eurofins Carlsbad

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: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-88A

Lab Sample ID: 890-8897-1
Matrix: Solid
Date Collected: 09/29/25 09:45
Date Received: 10/01/25 13:56
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		10/02/25 14:39	10/02/25 23:53	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		10/02/25 14:39	10/02/25 23:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/02/25 23:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/02/25 23:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/02/25 23:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/02/25 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/02/25 14:39*	*10/02/25 23:53*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/02/25 14:39*	*10/02/25 23:53*	*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			10/02/25 23:53	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			10/07/25 09:10	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		10/02/25 08:39	10/07/25 09:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 09:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/02/25 08:39*	*10/07/25 09:10*	*1*
o-Terphenyl	*113*		*70 - 130*	*10/02/25 08:39*	*10/07/25 09:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**268**	**F1**	10.0		mg/Kg			10/02/25 21:22	1

Client Sample ID: CS-89A

Lab Sample ID: 890-8897-2
Matrix: Solid
Date Collected: 09/29/25 09:50
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 00:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:39	10/03/25 00:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:39	10/03/25 00:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/02/25 14:39	10/03/25 00:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:39	10/03/25 00:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/02/25 14:39	10/03/25 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/02/25 14:39*	*10/03/25 00:13*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-89A

Lab Sample ID: 890-8897-2
Matrix: Solid
Date Collected: 09/29/25 09:50
Date Received: 10/01/25 13:56
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*10/02/25 14:39*	*10/03/25 00:13*	*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			10/03/25 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/25 09:24	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	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 09:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 09:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/02/25 08:39*	*10/07/25 09:24*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/02/25 08:39*	*10/07/25 09:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**320**		9.90		mg/Kg			10/02/25 21:38	1

Client Sample ID: CS-90A

Lab Sample ID: 890-8897-3
Matrix: Solid
Date Collected: 09/29/25 09:55
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 00:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 00:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/02/25 14:39*	*10/03/25 00:34*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*10/02/25 14:39*	*10/03/25 00:34*	*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			10/03/25 00:34	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			10/06/25 22:14	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-90A

Lab Sample ID: 890-8897-3
Matrix: Solid
Date Collected: 09/29/25 09:55
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/01/25 15:52	10/06/25 22:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 22:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/01/25 15:52*	*10/06/25 22:14*	*1*
o-Terphenyl	*103*		*70 - 130*	*10/01/25 15:52*	*10/06/25 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**337**		10.0		mg/Kg			10/02/25 21:43	1

Client Sample ID: CS-91A

Lab Sample ID: 890-8897-4
Matrix: Solid
Date Collected: 09/29/25 10:00
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 00:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:39	10/03/25 00:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:39	10/03/25 00:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/02/25 14:39	10/03/25 00:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:39	10/03/25 00:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/02/25 14:39	10/03/25 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*10/02/25 14:39*	*10/03/25 00:54*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/02/25 14:39*	*10/03/25 00:54*	*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			10/03/25 00:54	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			10/06/25 22:30	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	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/06/25 22:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/06/25 22:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/06/25 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*10/01/25 15:52*	*10/06/25 22:30*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/01/25 15:52*	*10/06/25 22:30*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-91A

Lab Sample ID: 890-8897-4
Matrix: Solid
Date Collected: 09/29/25 10:00
Date Received: 10/01/25 13:56
Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	301		9.96		mg/Kg			10/02/25 21:48	1

Client Sample ID: CS-92A

Lab Sample ID: 890-8897-5
Matrix: Solid
Date Collected: 09/29/25 10:05
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 01:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/02/25 14:39	10/03/25 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 01:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/02/25 14:39	10/03/25 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*10/02/25 14:39*	*10/03/25 01:15*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/02/25 14:39*	*10/03/25 01:15*	*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			10/03/25 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/06/25 22:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 22:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 22:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/01/25 15:52*	*10/06/25 22:44*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/01/25 15:52*	*10/06/25 22:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	274		9.96		mg/Kg			10/02/25 21:54	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-93A

Lab Sample ID: 890-8897-6
Matrix: Solid
Date Collected: 09/29/25 10:10
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 01:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 01:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 01:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/03/25 01:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 01:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/03/25 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/02/25 14:39*	*10/03/25 01:35*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/02/25 14:39*	*10/03/25 01:35*	*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			10/03/25 01:35	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			10/06/25 22:59	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		10/01/25 15:52	10/06/25 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/06/25 22:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/06/25 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/01/25 15:52*	*10/06/25 22:59*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/01/25 15:52*	*10/06/25 22:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**397**		10.1		mg/Kg			10/02/25 22:09	1

Client Sample ID: CS-94A

Lab Sample ID: 890-8897-7
Matrix: Solid
Date Collected: 09/29/25 10:15
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 01:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 01:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 01:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 01:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 01:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*10/02/25 14:39*	*10/03/25 01:55*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-94A

Lab Sample ID: 890-8897-7
Matrix: Solid
Date Collected: 09/29/25 10:15
Date Received: 10/01/25 13:56
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/02/25 14:39*	*10/03/25 01:55*	*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			10/03/25 01:55	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			10/06/25 23:13	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		10/01/25 15:52	10/06/25 23:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 23:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*10/01/25 15:52*	*10/06/25 23:13*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/01/25 15:52*	*10/06/25 23:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		10.0		mg/Kg			10/02/25 22:15	1

Client Sample ID: CS-95A

Lab Sample ID: 890-8897-8
Matrix: Solid
Date Collected: 09/29/25 10:20
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 02:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 02:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 02:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/02/25 14:39	10/03/25 02:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 02:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/02/25 14:39	10/03/25 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/02/25 14:39*	*10/03/25 02:16*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/02/25 14:39*	*10/03/25 02:16*	*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			10/03/25 02:16	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			10/06/25 23:27	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-95A

Lab Sample ID: 890-8897-8
Matrix: Solid
Date Collected: 09/29/25 10:20
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/01/25 15:52	10/06/25 23:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 23:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/06/25 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*10/01/25 15:52*	*10/06/25 23:27*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/01/25 15:52*	*10/06/25 23:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**265**		9.98		mg/Kg			10/02/25 22:20	1

Client Sample ID: CS-96A

Lab Sample ID: 890-8897-9
Matrix: Solid
Date Collected: 09/29/25 10:25
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 02:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:39	10/03/25 02:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:39	10/03/25 02:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/02/25 14:39	10/03/25 02:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:39	10/03/25 02:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/02/25 14:39	10/03/25 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*51*	*S1-*	*70 - 130*	*10/02/25 14:39*	*10/03/25 02:36*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/02/25 14:39*	*10/03/25 02:36*	*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			10/03/25 02:36	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			10/06/25 23:55	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		10/01/25 15:52	10/06/25 23:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/06/25 23:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/06/25 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/01/25 15:52*	*10/06/25 23:55*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/01/25 15:52*	*10/06/25 23:55*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-96A

Lab Sample ID: 890-8897-9
Matrix: Solid
Date Collected: 09/29/25 10:25
Date Received: 10/01/25 13:56
Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		10.1		mg/Kg			10/02/25 22:25	1

Client Sample ID: CS-97A

Lab Sample ID: 890-8897-10
Matrix: Solid
Date Collected: 09/29/25 10:30
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 02:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 02:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 02:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/02/25 14:39	10/03/25 02:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 02:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/02/25 14:39	10/03/25 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*70 - 130*	*10/02/25 14:39*	*10/03/25 02:57*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/02/25 14:39*	*10/03/25 02:57*	*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			10/03/25 02:57	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			10/07/25 00:11	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		10/01/25 15:52	10/07/25 00:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/01/25 15:52	10/07/25 00:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/01/25 15:52	10/07/25 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/01/25 15:52*	*10/07/25 00:11*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/01/25 15:52*	*10/07/25 00:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.3		10.1		mg/Kg			10/02/25 22:30	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-98A

Lab Sample ID: 890-8897-11
Matrix: Solid
Date Collected: 09/29/25 10:35
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 04:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 04:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 04:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 04:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 04:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*10/02/25 14:39*	*10/03/25 04:30*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/02/25 14:39*	*10/03/25 04:30*	*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			10/03/25 04:30	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			10/07/25 00:25	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		10/01/25 15:52	10/07/25 00:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/07/25 00:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/07/25 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*10/01/25 15:52*	*10/07/25 00:25*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/01/25 15:52*	*10/07/25 00:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**309**	**F1**	9.90		mg/Kg			10/02/25 22:36	1

Client Sample ID: CS-99A

Lab Sample ID: 890-8897-12
Matrix: Solid
Date Collected: 09/29/25 10:40
Date Received: 10/01/25 13:56
Sample Depth: 3

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		10/02/25 14:39	10/03/25 04:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 04:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 04:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/03/25 04:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 04:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/03/25 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*10/02/25 14:39*	*10/03/25 04:50*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-99A

Lab Sample ID: 890-8897-12
Matrix: Solid
Date Collected: 09/29/25 10:40
Date Received: 10/01/25 13:56
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/02/25 14:39*	*10/03/25 04:50*	*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			10/03/25 04:50	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			10/07/25 00:41	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	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/07/25 00:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/07/25 00:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/07/25 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*10/01/25 15:52*	*10/07/25 00:41*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/01/25 15:52*	*10/07/25 00:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**256**		10.0		mg/Kg			10/02/25 22:51	1

Client Sample ID: CS-100A

Lab Sample ID: 890-8897-13
Matrix: Solid
Date Collected: 09/29/25 10:45
Date Received: 10/01/25 13:56
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		10/02/25 14:39	10/03/25 05:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 05:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 05:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/03/25 05:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 05:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/03/25 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/02/25 14:39*	*10/03/25 05:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/02/25 14:39*	*10/03/25 05:11*	*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			10/03/25 05:11	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			10/07/25 00:55	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-100A

Lab Sample ID: 890-8897-13
Matrix: Solid
Date Collected: 09/29/25 10:45
Date Received: 10/01/25 13:56
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		10/01/25 15:52	10/07/25 00:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/07/25 00:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/01/25 15:52	10/07/25 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*10/01/25 15:52*	*10/07/25 00:55*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/01/25 15:52*	*10/07/25 00:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**187**		9.96		mg/Kg			10/03/25 13:18	1

Client Sample ID: CS-101A

Lab Sample ID: 890-8897-14
Matrix: Solid
Date Collected: 09/29/25 10:50
Date Received: 10/01/25 13:56
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		10/02/25 14:39	10/03/25 05:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 05:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 05:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/03/25 05:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:39	10/03/25 05:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:39	10/03/25 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*48*	*S1-*	*70 - 130*	*10/02/25 14:39*	*10/03/25 05:31*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/02/25 14:39*	*10/03/25 05:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/03/25 05:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/25 01:11	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		10/01/25 15:52	10/07/25 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/07/25 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/01/25 15:52	10/07/25 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/01/25 15:52*	*10/07/25 01:11*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/01/25 15:52*	*10/07/25 01:11*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-101A

Lab Sample ID: 890-8897-14
Matrix: Solid
Date Collected: 09/29/25 10:50
Date Received: 10/01/25 13:56
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		10.0		mg/Kg			10/03/25 13:23	1

Client Sample ID: CS-102A

Lab Sample ID: 890-8897-15
Matrix: Solid
Date Collected: 09/29/25 10:55
Date Received: 10/01/25 13:56
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		10/02/25 14:39	10/03/25 05:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 05:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 05:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 05:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 05:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*10/02/25 14:39*	*10/03/25 05:52*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/02/25 14:39*	*10/03/25 05:52*	*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			10/03/25 05:52	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			10/07/25 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/01/25 15:52	10/07/25 01:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/01/25 15:52	10/07/25 01:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/01/25 15:52	10/07/25 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*10/01/25 15:52*	*10/07/25 01:24*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/01/25 15:52*	*10/07/25 01:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		10.1		mg/Kg			10/03/25 13:39	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-103A

Lab Sample ID: 890-8897-16
Matrix: Solid
Date Collected: 09/29/25 11:00
Date Received: 10/01/25 13:56
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		10/02/25 14:39	10/03/25 06:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 06:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 06:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/02/25 14:39	10/03/25 06:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 06:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/02/25 14:39	10/03/25 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*10/02/25 14:39*	*10/03/25 06:12*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*10/02/25 14:39*	*10/03/25 06:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/03/25 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/25 01:40	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	<49.8	U	49.8		mg/Kg		10/01/25 15:52	10/07/25 01:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/01/25 15:52	10/07/25 01:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/01/25 15:52	10/07/25 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*10/01/25 15:52*	*10/07/25 01:40*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/01/25 15:52*	*10/07/25 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		10.1		mg/Kg			10/03/25 13:44	1

Client Sample ID: CS-104A

Lab Sample ID: 890-8897-17
Matrix: Solid
Date Collected: 09/29/25 11:05
Date Received: 10/01/25 13:56
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		10/02/25 14:39	10/03/25 06:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 06:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 06:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/02/25 14:39	10/03/25 06:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:39	10/03/25 06:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/02/25 14:39	10/03/25 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*10/02/25 14:39*	*10/03/25 06:32*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-104A

Lab Sample ID: 890-8897-17
Matrix: Solid

Date Collected: 09/29/25 11:05
Date Received: 10/01/25 13:56
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/02/25 14:39*	*10/03/25 06:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/03/25 06:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/06/25 14:30	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		10/01/25 08:33	10/06/25 14:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/01/25 08:33	10/06/25 14:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/01/25 08:33	10/06/25 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/01/25 08:33*	*10/06/25 14:30*	*1*
o-Terphenyl	*95*		*70 - 130*	*10/01/25 08:33*	*10/06/25 14:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**195**		9.90		mg/Kg			10/03/25 14:00	1

Client Sample ID: CS-105A

Lab Sample ID: 890-8897-18
Matrix: Solid

Date Collected: 09/29/25 11:10
Date Received: 10/01/25 13:56
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		10/02/25 14:39	10/03/25 06:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 06:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 06:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 06:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 06:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:39	10/03/25 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/02/25 14:39*	*10/03/25 06:53*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/02/25 14:39*	*10/03/25 06:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/03/25 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.7**		49.8		mg/Kg			10/06/25 14:58	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-105A

Lab Sample ID: 890-8897-18
Matrix: Solid
Date Collected: 09/29/25 11:10
Date Received: 10/01/25 13:56
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	<49.8	U	49.8		mg/Kg		10/01/25 08:33	10/06/25 14:58	1
Diesel Range Organics (Over C10-C28)	**51.7**		49.8		mg/Kg		10/01/25 08:33	10/06/25 14:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/01/25 08:33	10/06/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*10/01/25 08:33*	*10/06/25 14:58*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/01/25 08:33*	*10/06/25 14:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**677**		10.1		mg/Kg			10/03/25 14:05	1

Client Sample ID: CS-106A

Lab Sample ID: 890-8897-19
Matrix: Solid
Date Collected: 09/29/25 11:15
Date Received: 10/01/25 13:56
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		10/02/25 14:39	10/03/25 07:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 07:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 07:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/02/25 14:39	10/03/25 07:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/03/25 07:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/02/25 14:39	10/03/25 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/02/25 14:39*	*10/03/25 07:13*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/02/25 14:39*	*10/03/25 07:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/03/25 07:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/25 04:06	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	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 04:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 04:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/02/25 08:39*	*10/07/25 04:06*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/02/25 08:39*	*10/07/25 04:06*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-106A

Lab Sample ID: 890-8897-19
Matrix: Solid
Date Collected: 09/29/25 11:15
Date Received: 10/01/25 13:56
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		9.98		mg/Kg			10/03/25 14:10	1

Client Sample ID: CS-107A

Lab Sample ID: 890-8897-20
Matrix: Solid
Date Collected: 09/29/25 11:20
Date Received: 10/01/25 13:56
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		10/02/25 14:39	10/03/25 07:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:39	10/03/25 07:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:39	10/03/25 07:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/02/25 14:39	10/03/25 07:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:39	10/03/25 07:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/02/25 14:39	10/03/25 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/02/25 14:39*	*10/03/25 07:34*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/02/25 14:39*	*10/03/25 07:34*	*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			10/03/25 07:34	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			10/07/25 04:49	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	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 04:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 04:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*10/02/25 08:39*	*10/07/25 04:49*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/02/25 08:39*	*10/07/25 04:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		10.1		mg/Kg			10/03/25 14:15	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-108A

Lab Sample ID: 890-8897-21
Matrix: Solid
Date Collected: 09/29/25 11:25
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 04:55	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		10/02/25 14:52	10/04/25 04:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 04:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 04:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 04:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*10/02/25 14:52*	*10/04/25 04:55*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/02/25 14:52*	*10/04/25 04:55*	*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			10/04/25 04:55	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			10/07/25 05:04	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	50.0		mg/Kg		10/02/25 08:39	10/07/25 05:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 05:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/02/25 08:39*	*10/07/25 05:04*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/02/25 08:39*	*10/07/25 05:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		10.0		mg/Kg			10/03/25 14:21	1

Client Sample ID: CS-109A

Lab Sample ID: 890-8897-22
Matrix: Solid
Date Collected: 09/29/25 11:30
Date Received: 10/01/25 13:56
Sample Depth: 2

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		10/02/25 14:52	10/04/25 05:15	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		10/02/25 14:52	10/04/25 05:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:52	10/04/25 05:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/02/25 14:52	10/04/25 05:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:52	10/04/25 05:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/02/25 14:52	10/04/25 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*10/02/25 14:52*	*10/04/25 05:15*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-109A

Lab Sample ID: 890-8897-22
Matrix: Solid
Date Collected: 09/29/25 11:30
Date Received: 10/01/25 13:56
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/02/25 14:52*	*10/04/25 05:15*	*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			10/04/25 05:15	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			10/07/25 05:17	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	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 05:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 05:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*10/02/25 08:39*	*10/07/25 05:17*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/02/25 08:39*	*10/07/25 05:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**449**		10.1		mg/Kg			10/03/25 14:26	1

Client Sample ID: CS-110A

Lab Sample ID: 890-8897-23
Matrix: Solid
Date Collected: 09/29/25 11:35
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 05:36	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		10/02/25 14:52	10/04/25 05:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 05:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 05:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 05:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/02/25 14:52*	*10/04/25 05:36*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/02/25 14:52*	*10/04/25 05:36*	*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			10/04/25 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/25 05:32	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-110A

Lab Sample ID: 890-8897-23
Matrix: Solid
Date Collected: 09/29/25 11:35
Date Received: 10/01/25 13:56
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	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 05:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 05:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*10/02/25 08:39*	*10/07/25 05:32*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/02/25 08:39*	*10/07/25 05:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**408**		10.1		mg/Kg			10/03/25 14:31	1

Client Sample ID: CS-111A

Lab Sample ID: 890-8897-24
Matrix: Solid
Date Collected: 09/29/25 11:40
Date Received: 10/01/25 13:56
Sample Depth: 2

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		10/02/25 14:52	10/04/25 05:56	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		10/02/25 14:52	10/04/25 05:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:52	10/04/25 05:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/02/25 14:52	10/04/25 05:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/02/25 14:52	10/04/25 05:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/02/25 14:52	10/04/25 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/02/25 14:52*	*10/04/25 05:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*10/02/25 14:52*	*10/04/25 05:56*	*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			10/04/25 05:56	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			10/07/25 05:46	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	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 05:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 05:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*10/02/25 08:39*	*10/07/25 05:46*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/02/25 08:39*	*10/07/25 05:46*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-111A
Lab Sample ID: 890-8897-24

Date Collected: 09/29/25 11:40
Matrix: Solid
Date Received: 10/01/25 13:56
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	314		10.1		mg/Kg			10/02/25 21:24	1

Client Sample ID: CS-112A
Lab Sample ID: 890-8897-25

Date Collected: 09/29/25 11:45
Matrix: Solid
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 06:17	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		10/02/25 14:52	10/04/25 06:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 06:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/02/25 14:52	10/04/25 06:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 06:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/02/25 14:52	10/04/25 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/02/25 14:52*	*10/04/25 06:17*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/02/25 14:52*	*10/04/25 06:17*	*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			10/04/25 06:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/07/25 06:00	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	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 06:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 06:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/02/25 08:39*	*10/07/25 06:00*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/02/25 08:39*	*10/07/25 06:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		10.1		mg/Kg			10/02/25 21:30	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-113A

Lab Sample ID: 890-8897-26
Matrix: Solid
Date Collected: 09/29/25 11:50
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 06:37	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		10/02/25 14:52	10/04/25 06:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 06:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 06:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 06:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/02/25 14:52*	*10/04/25 06:37*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/02/25 14:52*	*10/04/25 06:37*	*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			10/04/25 06:37	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			10/07/25 06:14	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		10/02/25 08:39	10/07/25 06:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 06:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*10/02/25 08:39*	*10/07/25 06:14*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/02/25 08:39*	*10/07/25 06:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		9.90		mg/Kg			10/02/25 21:36	1

Client Sample ID: CS-114A

Lab Sample ID: 890-8897-27
Matrix: Solid
Date Collected: 09/29/25 11:55
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 06:58	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		10/02/25 14:52	10/04/25 06:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 06:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 06:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 06:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/02/25 14:52*	*10/04/25 06:58*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-114A

Lab Sample ID: 890-8897-27
Matrix: Solid
Date Collected: 09/29/25 11:55
Date Received: 10/01/25 13:56
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/02/25 14:52*	*10/04/25 06:58*	*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			10/04/25 06:58	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			10/07/25 06:29	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		10/02/25 08:39	10/07/25 06:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 06:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/02/25 08:39*	*10/07/25 06:29*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/02/25 08:39*	*10/07/25 06:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**374**		10.1		mg/Kg			10/02/25 22:29	1

Client Sample ID: CS-115A

Lab Sample ID: 890-8897-28
Matrix: Solid
Date Collected: 09/29/25 12:00
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 07:18	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		10/02/25 14:52	10/04/25 07:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:52	10/04/25 07:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/02/25 14:52	10/04/25 07:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:52	10/04/25 07:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/02/25 14:52	10/04/25 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/02/25 14:52*	*10/04/25 07:18*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*10/02/25 14:52*	*10/04/25 07:18*	*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			10/04/25 07:18	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			10/07/25 06:43	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-115A

Lab Sample ID: 890-8897-28
Matrix: Solid
Date Collected: 09/29/25 12:00
Date Received: 10/01/25 13:56
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	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 06:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 06:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*10/02/25 08:39*	*10/07/25 06:43*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/02/25 08:39*	*10/07/25 06:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**451**		10.1		mg/Kg			10/02/25 22:35	1

Client Sample ID: CS-116A

Lab Sample ID: 890-8897-29
Matrix: Solid
Date Collected: 09/29/25 12:05
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 07:38	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		10/02/25 14:52	10/04/25 07:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:52	10/04/25 07:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/02/25 14:52	10/04/25 07:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:52	10/04/25 07:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/02/25 14:52	10/04/25 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/02/25 14:52*	*10/04/25 07:38*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/02/25 14:52*	*10/04/25 07:38*	*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			10/04/25 07:38	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			10/07/25 07:13	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		10/02/25 08:39	10/07/25 07:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 07:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*10/02/25 08:39*	*10/07/25 07:13*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/02/25 08:39*	*10/07/25 07:13*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-116A

Lab Sample ID: 890-8897-29
Matrix: Solid
Date Collected: 09/29/25 12:05
Date Received: 10/01/25 13:56
Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	561		9.90		mg/Kg			10/02/25 22:41	1

Client Sample ID: CS-117A

Lab Sample ID: 890-8897-30
Matrix: Solid
Date Collected: 09/29/25 12:10
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 07:59	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		10/02/25 14:52	10/04/25 07:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 07:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/02/25 14:52	10/04/25 07:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 07:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/02/25 14:52	10/04/25 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/02/25 14:52*	*10/04/25 07:59*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/02/25 14:52*	*10/04/25 07:59*	*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			10/04/25 07:59	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			10/07/25 07:27	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	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 07:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 07:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 08:39	10/07/25 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/02/25 08:39*	*10/07/25 07:27*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/02/25 08:39*	*10/07/25 07:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		10.1		mg/Kg			10/02/25 22:46	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-118A

Lab Sample ID: 890-8897-31
Matrix: Solid
Date Collected: 09/29/25 12:15
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 09:33	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		10/02/25 14:52	10/04/25 09:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 09:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 09:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 09:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*10/02/25 14:52*	*10/04/25 09:33*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/02/25 14:52*	*10/04/25 09:33*	*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			10/04/25 09:33	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			10/07/25 07:42	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		10/02/25 08:39	10/07/25 07:42	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/02/25 08:39	10/07/25 07:42	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/02/25 08:39	10/07/25 07:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*10/02/25 08:39*	*10/07/25 07:42*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/02/25 08:39*	*10/07/25 07:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**328**		9.90		mg/Kg			10/02/25 22:52	1

Client Sample ID: CS-119A

Lab Sample ID: 890-8897-32
Matrix: Solid
Date Collected: 09/29/25 12:20
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 09:53	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		10/02/25 14:52	10/04/25 09:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 09:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 09:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 09:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/02/25 14:52*	*10/04/25 09:53*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-119A

Lab Sample ID: 890-8897-32
Matrix: Solid
Date Collected: 09/29/25 12:20
Date Received: 10/01/25 13:56
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/02/25 14:52*	*10/04/25 09:53*	*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			10/04/25 09:53	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			10/07/25 07:56	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		10/02/25 08:39	10/07/25 07:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 07:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 07:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*10/02/25 08:39*	*10/07/25 07:56*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/02/25 08:39*	*10/07/25 07:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		10.1		mg/Kg			10/02/25 22:58	1

Client Sample ID: CS-120A

Lab Sample ID: 890-8897-33
Matrix: Solid
Date Collected: 09/29/25 12:25
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 10:14	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		10/02/25 14:52	10/04/25 10:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 10:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 10:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 10:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/02/25 14:52*	*10/04/25 10:14*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/02/25 14:52*	*10/04/25 10:14*	*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			10/04/25 10:14	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			10/07/25 08:12	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-120A

Lab Sample ID: 890-8897-33
Matrix: Solid
Date Collected: 09/29/25 12:25
Date Received: 10/01/25 13:56
Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 08:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 08:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*10/02/25 08:39*	*10/07/25 08:12*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/02/25 08:39*	*10/07/25 08:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		9.96		mg/Kg			10/02/25 23:16	1

Client Sample ID: CS-121A

Lab Sample ID: 890-8897-34
Matrix: Solid
Date Collected: 09/29/25 12:30
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 10:34	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		10/02/25 14:52	10/04/25 10:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 10:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 10:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 14:52	10/04/25 10:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 14:52	10/04/25 10:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*10/02/25 14:52*	*10/04/25 10:34*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/02/25 14:52*	*10/04/25 10:34*	*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			10/04/25 10:34	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			10/07/25 08:26	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		10/02/25 08:39	10/07/25 08:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 08:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 08:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/02/25 08:39*	*10/07/25 08:26*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/02/25 08:39*	*10/07/25 08:26*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-121A

Lab Sample ID: 890-8897-34
Matrix: Solid
Date Collected: 09/29/25 12:30
Date Received: 10/01/25 13:56
Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		10.0		mg/Kg			10/02/25 23:22	1

Client Sample ID: CS-122A

Lab Sample ID: 890-8897-35
Matrix: Solid
Date Collected: 09/29/25 12:35
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 10:55	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		10/02/25 14:52	10/04/25 10:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 10:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 10:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 10:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*10/02/25 14:52*	*10/04/25 10:55*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/02/25 14:52*	*10/04/25 10:55*	*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			10/04/25 10:55	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			10/07/25 08:41	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		10/02/25 08:39	10/07/25 08:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 08:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:39	10/07/25 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/02/25 08:39*	*10/07/25 08:41*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/02/25 08:39*	*10/07/25 08:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		10.1		mg/Kg			10/02/25 23:39	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-123A

Lab Sample ID: 890-8897-36
Matrix: Solid
Date Collected: 09/29/25 12:40
Date Received: 10/01/25 13:56
Sample Depth: 1

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		10/02/25 14:52	10/04/25 11:40	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		10/02/25 14:52	10/04/25 11:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:52	10/04/25 11:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/02/25 14:52	10/04/25 11:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:52	10/04/25 11:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/02/25 14:52	10/04/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*10/02/25 14:52*	*10/04/25 11:40*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/02/25 14:52*	*10/04/25 11:40*	*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			10/04/25 11:40	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			10/07/25 08:55	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		10/02/25 08:39	10/07/25 08:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 08:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 08:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*10/02/25 08:39*	*10/07/25 08:55*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/02/25 08:39*	*10/07/25 08:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		10.1		mg/Kg			10/02/25 23:45	1

Client Sample ID: CS-124A

Lab Sample ID: 890-8897-37
Matrix: Solid
Date Collected: 09/29/25 12:45
Date Received: 10/01/25 13:56
Sample Depth: 1

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		10/02/25 14:52	10/04/25 12:01	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		10/02/25 14:52	10/04/25 12:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:52	10/04/25 12:01	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/02/25 14:52	10/04/25 12:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/02/25 14:52	10/04/25 12:01	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/02/25 14:52	10/04/25 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/02/25 14:52*	*10/04/25 12:01*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-124A

Lab Sample ID: 890-8897-37
Matrix: Solid
Date Collected: 09/29/25 12:45
Date Received: 10/01/25 13:56
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/02/25 14:52*	*10/04/25 12:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/04/25 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/07/25 19:14	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	<49.8	U	49.8		mg/Kg		10/02/25 12:13	10/07/25 19:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 12:13	10/07/25 19:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 12:13	10/07/25 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/02/25 12:13*	*10/07/25 19:14*	*1*
1-Chlorooctane	*100*		*70 - 130*	*10/03/25 14:25*	*10/08/25 02:23*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/02/25 12:13*	*10/07/25 19:14*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/03/25 14:25*	*10/08/25 02:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**117**		10.0		mg/Kg			10/02/25 23:51	1

Client Sample ID: CS-26B

Lab Sample ID: 890-8897-38
Matrix: Solid
Date Collected: 09/29/25 12:50
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 12:21	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		10/02/25 14:52	10/04/25 12:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 12:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 12:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 12:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 14:52	10/04/25 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/02/25 14:52*	*10/04/25 12:21*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/02/25 14:52*	*10/04/25 12:21*	*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			10/04/25 12:21	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-26B

Lab Sample ID: 890-8897-38
Matrix: Solid
Date Collected: 09/29/25 12:50
Date Received: 10/01/25 13:56
Sample Depth: 4

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			10/07/25 19:28	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		10/02/25 12:13	10/07/25 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 12:13	10/07/25 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 12:13	10/07/25 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*10/02/25 12:13*	*10/07/25 19:28*	*1*
1-Chlorooctane	*102*		*70 - 130*	*10/03/25 14:25*	*10/08/25 02:36*	*1*
o-Terphenyl	*95*		*70 - 130*	*10/02/25 12:13*	*10/07/25 19:28*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/03/25 14:25*	*10/08/25 02:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**157**		9.96		mg/Kg			10/02/25 23:57	1

Client Sample ID: CS-27B

Lab Sample ID: 890-8897-39
Matrix: Solid
Date Collected: 09/29/25 12:55
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 12:42	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		10/02/25 14:52	10/04/25 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 12:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/02/25 14:52	10/04/25 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 12:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/02/25 14:52	10/04/25 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*10/02/25 14:52*	*10/04/25 12:42*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/02/25 14:52*	*10/04/25 12:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/04/25 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			10/07/25 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 12:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 12:31	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-27B

Lab Sample ID: 890-8897-39
Matrix: Solid
Date Collected: 09/29/25 12:55
Date Received: 10/01/25 13:56
Sample Depth: 4

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		10/02/25 08:40	10/07/25 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/02/25 08:40*	*10/07/25 12:31*	*1*
o-Terphenyl	*122*		*70 - 130*	*10/02/25 08:40*	*10/07/25 12:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**128**		10.1		mg/Kg			10/03/25 00:03	1

Client Sample ID: CS-28B

Lab Sample ID: 890-8897-40
Matrix: Solid
Date Collected: 09/29/25 13:00
Date Received: 10/01/25 13:56
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		10/02/25 14:52	10/04/25 13:02	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		10/02/25 14:52	10/04/25 13:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:52	10/04/25 13:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/02/25 14:52	10/04/25 13:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/02/25 14:52	10/04/25 13:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/02/25 14:52	10/04/25 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/02/25 14:52*	*10/04/25 13:02*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/02/25 14:52*	*10/04/25 13:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/04/25 13:02	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			10/07/25 13:16	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	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 13:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 13:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/02/25 08:40*	*10/07/25 13:16*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/02/25 08:40*	*10/07/25 13:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.2**		10.0		mg/Kg			10/03/25 00:09	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy 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)										
890-8897-1	CS-88A	120	109										
890-8897-1 MS	CS-88A	106	101										
890-8897-1 MSD	CS-88A	100	98										
890-8897-2	CS-89A	100	117										
890-8897-3	CS-90A	106	118										
890-8897-4	CS-91A	98	93										
890-8897-5	CS-92A	92	94										
890-8897-6	CS-93A	99	100										
890-8897-7	CS-94A	97	94										
890-8897-8	CS-95A	104	97										
890-8897-9	CS-96A	51 S1-	93										
890-8897-10	CS-97A	56 S1-	83										
890-8897-11	CS-98A	134 S1+	109										
890-8897-12	CS-99A	91	107										
890-8897-13	CS-100A	95	97										
890-8897-14	CS-101A	48 S1-	88										
890-8897-15	CS-102A	65 S1-	93										
890-8897-16	CS-103A	97	91										
890-8897-17	CS-104A	110	94										
890-8897-18	CS-105A	100	100										
890-8897-19	CS-106A	102	98										
890-8897-20	CS-107A	102	95										
890-8897-21	CS-108A	132 S1+	98										
890-8897-21 MS	CS-108A	119	90										
890-8897-21 MSD	CS-108A	99	95										
890-8897-22	CS-109A	94	106										
890-8897-23	CS-110A	109	110										
890-8897-24	CS-111A	101	92										
890-8897-25	CS-112A	101	85										
890-8897-26	CS-113A	108	88										
890-8897-27	CS-114A	106	94										
890-8897-28	CS-115A	100	87										
890-8897-29	CS-116A	100	84										
890-8897-30	CS-117A	106	86										
890-8897-31	CS-118A	126	103										
890-8897-32	CS-119A	93	111										
890-8897-33	CS-120A	96	101										
890-8897-34	CS-121A	100	110										
890-8897-35	CS-122A	92	113										
890-8897-36	CS-123A	99	90										
890-8897-37	CS-124A	90	113										
890-8897-38	CS-26B	101	108										
890-8897-39	CS-27B	94	108										
890-8897-40	CS-28B	107	111										
LCS 880-120367/1-A	Lab Control Sample	93	100										
LCS 880-120370/1-A	Lab Control Sample	102	88										
LCSD 880-120367/2-A	Lab Control Sample Dup	97	102										
LCSD 880-120370/2-A	Lab Control Sample Dup	101	94										
MB 880-120290/5-A	Method Blank	106	95										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8897-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
MB 880-120367/5-A	Method Blank	105	96
MB 880-120370/5-A	Method Blank	109	89
MB 880-120457/5-A	Method Blank	103	85

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
890-8897-1	CS-88A	88	113
890-8897-2	CS-89A	80	102
890-8897-3	CS-90A	80	103
890-8897-4	CS-91A	77	101
890-8897-5	CS-92A	81	107
890-8897-6	CS-93A	81	106
890-8897-7	CS-94A	75	96
890-8897-8	CS-95A	79	102
890-8897-9	CS-96A	81	105
890-8897-10	CS-97A	84	109
890-8897-11	CS-98A	82	106
890-8897-12	CS-99A	76	99
890-8897-13	CS-100A	85	108
890-8897-14	CS-101A	84	107
890-8897-15	CS-102A	74	96
890-8897-16	CS-103A	78	100
890-8897-17	CS-104A	103	95
890-8897-18	CS-105A	119	107
890-8897-19	CS-106A	80	106
890-8897-19 MS	CS-106A	90	102
890-8897-19 MSD	CS-106A	88	101
890-8897-20	CS-107A	78	104
890-8897-21	CS-108A	81	106
890-8897-22	CS-109A	78	104
890-8897-23	CS-110A	77	104
890-8897-24	CS-111A	78	104
890-8897-25	CS-112A	84	108
890-8897-26	CS-113A	79	104
890-8897-27	CS-114A	80	104
890-8897-28	CS-115A	76	101
890-8897-29	CS-116A	75	102
890-8897-30	CS-117A	81	106
890-8897-31	CS-118A	77	102
890-8897-32	CS-119A	83	106
890-8897-33	CS-120A	75	99
890-8897-34	CS-121A	84	107
890-8897-35	CS-122A	90	117

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8897-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-8897-36	CS-123A	82	109								
890-8897-37	CS-124A	88	96								
890-8897-37	CS-124A	100	110								
890-8897-38	CS-26B	85	95								
890-8897-38	CS-26B	102	111								
890-8897-39	CS-27B	109	122								
890-8897-39 MS	CS-27B	111	125								
890-8897-39 MSD	CS-27B	110	124								
890-8897-40	CS-28B	107	117								
LCS 880-120145/2-A	Lab Control Sample	118	111								
LCS 880-120234/2-A	Lab Control Sample	90	100								
LCS 880-120271/2-A	Lab Control Sample	103	115								
LCS 880-120272/2-A	Lab Control Sample	119	157 S1+								
LCS 880-120325/2-A	Lab Control Sample	100	98								
LCS 880-120474/2-A	Lab Control Sample	106	107								
LCSD 880-120145/3-A	Lab Control Sample Dup	121	107								
LCSD 880-120234/3-A	Lab Control Sample Dup	90	101								
LCSD 880-120271/3-A	Lab Control Sample Dup	105	117								
LCSD 880-120272/3-A	Lab Control Sample Dup	116	138 S1+								
LCSD 880-120325/3-A	Lab Control Sample Dup	96	95								
LCSD 880-120474/3-A	Lab Control Sample Dup	105	106								
MB 880-120145/1-A	Method Blank	114	101								
MB 880-120234/1-A	Method Blank	83	111								
MB 880-120271/1-A	Method Blank	87	113								
MB 880-120272/1-A	Method Blank	110	123								
MB 880-120325/1-A	Method Blank	83	89								
MB 880-120474/1-A	Method Blank	91	99								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120290/5-A
Matrix: Solid
Analysis Batch: 120262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:33	10/02/25 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:33	10/02/25 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:33	10/02/25 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/02/25 09:33	10/02/25 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:33	10/02/25 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/02/25 09:33	10/02/25 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/02/25 09:33*	*10/02/25 11:37*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/02/25 09:33*	*10/02/25 11:37*	*1*

Lab Sample ID: MB 880-120367/5-A
Matrix: Solid
Analysis Batch: 120262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/02/25 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/02/25 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/02/25 23:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/02/25 14:39	10/02/25 23:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:39	10/02/25 23:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/02/25 14:39	10/02/25 23:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/02/25 14:39*	*10/02/25 23:31*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/02/25 14:39*	*10/02/25 23:31*	*1*

Lab Sample ID: LCS 880-120367/1-A
Matrix: Solid
Analysis Batch: 120262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120367

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07339		mg/Kg		73	70 - 130		
Toluene			0.100	0.07732		mg/Kg		77	70 - 130		
Ethylbenzene			0.100	0.08349		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene			0.200	0.1686		mg/Kg		84	70 - 130		
o-Xylene			0.100	0.08506		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-120367/2-A
Matrix: Solid
Analysis Batch: 120262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120367

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08009		mg/Kg		80	70 - 130	9	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-120367/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120262 — **Prep Batch: 120367**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08181		mg/Kg		82	70 - 130	6	35
Ethylbenzene			0.100	0.08829		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1766		mg/Kg		88	70 - 130	5	35
o-Xylene			0.100	0.08873		mg/Kg		89	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-8897-1 MS — **Client Sample ID: CS-88A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120262 — **Prep Batch: 120367**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.05627	F1	mg/Kg		56	70 - 130
Toluene	<0.00199	U F1	0.100	0.06354	F1	mg/Kg		64	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.07026		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1450		mg/Kg		73	70 - 130
o-Xylene	<0.00199	U	0.100	0.07155		mg/Kg		72	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-8897-1 MSD — **Client Sample ID: CS-88A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120262 — **Prep Batch: 120367**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.06310	F1	mg/Kg		63	70 - 130	11	35
Toluene	<0.00199	U F1	0.100	0.06964		mg/Kg		70	70 - 130	9	35
Ethylbenzene	<0.00199	U	0.100	0.07683		mg/Kg		77	70 - 130	9	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1564		mg/Kg		78	70 - 130	8	35
o-Xylene	<0.00199	U	0.100	0.07702		mg/Kg		77	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-120370/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120472 — **Prep Batch: 120370**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 04:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 04:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 04:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/02/25 14:52	10/04/25 04:33	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-120370/5-A
Matrix: Solid
Analysis Batch: 120472

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120370

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 04:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 14:52	10/04/25 04:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/02/25 14:52	10/04/25 04:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/02/25 14:52*	*10/04/25 04:33*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*10/02/25 14:52*	*10/04/25 04:33*	*1*

Lab Sample ID: LCS 880-120370/1-A
Matrix: Solid
Analysis Batch: 120472

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120370

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.06720	*-	mg/Kg		67	70 - 130
Toluene	0.100	0.07026		mg/Kg		70	70 - 130
Ethylbenzene	0.100	0.07599		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	0.200	0.1600		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08244		mg/Kg		82	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-120370/2-A
Matrix: Solid
Analysis Batch: 120472

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120370

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.06582	*-	mg/Kg		66	70 - 130	2	35
Toluene	0.100	0.06927	*-	mg/Kg		69	70 - 130	1	35
Ethylbenzene	0.100	0.07481		mg/Kg		75	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1572		mg/Kg		79	70 - 130	2	35
o-Xylene	0.100	0.08125		mg/Kg		81	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-8897-21 MS
Matrix: Solid
Analysis Batch: 120472

Client Sample ID: CS-108A
Prep Type: Total/NA
Prep Batch: 120370

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *-	0.100	0.07373		mg/Kg		74	70 - 130
Toluene	<0.00199	U *-	0.100	0.08002		mg/Kg		80	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.08596		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1796		mg/Kg		90	70 - 130
o-Xylene	<0.00199	U	0.100	0.09083		mg/Kg		91	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-8897-21 MSD — **Client Sample ID: CS-108A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120472 — **Prep Batch: 120370**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *-	0.100	0.07393		mg/Kg		74	70 - 130	0	35
Toluene	<0.00199	U *-	0.100	0.07446		mg/Kg		74	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.100	0.07556		mg/Kg		76	70 - 130	13	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1551		mg/Kg		78	70 - 130	15	35
o-Xylene	<0.00199	U	0.100	0.07892		mg/Kg		79	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-120457/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120472 — **Prep Batch: 120457**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:48	10/03/25 17:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:48	10/03/25 17:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:48	10/03/25 17:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/25 11:48	10/03/25 17:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/25 11:48	10/03/25 17:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/25 11:48	10/03/25 17:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/03/25 11:48	10/03/25 17:37	1
1,4-Difluorobenzene (Surr)	85		70 - 130	10/03/25 11:48	10/03/25 17:37	1

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

Lab Sample ID: MB 880-120145/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120516 — **Prep Batch: 120145**

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		10/01/25 08:33	10/06/25 09:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/01/25 08:33	10/06/25 09:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/01/25 08:33	10/06/25 09:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/01/25 08:33	10/06/25 09:50	1
o-Terphenyl	101		70 - 130	10/01/25 08:33	10/06/25 09:50	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-120145/2-A
Matrix: Solid
Analysis Batch: 120516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120145

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1135		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1205		mg/Kg		121	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-120145/3-A
Matrix: Solid
Analysis Batch: 120516

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120145

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1139		mg/Kg		114	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1186		mg/Kg		119	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: MB 880-120234/1-A
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120234

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		10/01/25 15:51	10/06/25 18:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/01/25 15:51	10/06/25 18:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/01/25 15:51	10/06/25 18:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*10/01/25 15:51*	*10/06/25 18:52*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/01/25 15:51*	*10/06/25 18:52*	*1*

Lab Sample ID: LCS 880-120234/2-A
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120234

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	888.4		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	965.6		mg/Kg		97	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-120234/2-A
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120234

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-120234/3-A
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120234

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	892.1		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	930.3		mg/Kg		93	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: MB 880-120271/1-A
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120271

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		10/02/25 08:39	10/07/25 03:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 03:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:39	10/07/25 03:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	10/02/25 08:39	10/07/25 03:08	1
o-Terphenyl	113		70 - 130	10/02/25 08:39	10/07/25 03:08	1

Lab Sample ID: LCS 880-120271/2-A
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	912.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1027		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	115		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-120271/3-A
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	939.5		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1061		mg/Kg		106	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 890-8897-19 MS
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: CS-106A
Prep Type: Total/NA
Prep Batch: 120271

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	764.8		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	784.3		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 890-8897-19 MSD
Matrix: Solid
Analysis Batch: 120549

Client Sample ID: CS-106A
Prep Type: Total/NA
Prep Batch: 120271

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	752.0		mg/Kg		75	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	794.7		mg/Kg		79	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: MB 880-120272/1-A
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120272

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		10/02/25 08:40	10/07/25 09:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 09:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 09:29	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-120272/1-A
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120272

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	10/02/25 08:40	10/07/25 09:29	1
o-Terphenyl	123		70 - 130	10/02/25 08:40	10/07/25 09:29	1

Lab Sample ID: LCS 880-120272/2-A
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120272

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1242		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1265		mg/Kg		127	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	157	S1+	70 - 130

Lab Sample ID: LCSD 880-120272/3-A
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120272

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1249		mg/Kg		125	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1166		mg/Kg		117	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 890-8897-39 MS
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: CS-27B
Prep Type: Total/NA
Prep Batch: 120272

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	1052		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	901.1		mg/Kg		90	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	125		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8897-39 MSD — **Client Sample ID: CS-27B**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120640 — **Prep Batch: 120272**

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	1048		mg/Kg		105	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	905.6		mg/Kg		91	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*124*		*70 - 130*

Lab Sample ID: MB 880-120325/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120650 — **Prep Batch: 120325**

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		10/02/25 12:12	10/07/25 10:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 12:12	10/07/25 10:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 12:12	10/07/25 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*10/02/25 12:12*	*10/07/25 10:07*	*1*
o-Terphenyl	*89*		*70 - 130*	*10/02/25 12:12*	*10/07/25 10:07*	*1*

Lab Sample ID: LCS 880-120325/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120650 — **Prep Batch: 120325**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	918.2		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	977.6		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-120325/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120650 — **Prep Batch: 120325**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	886.1		mg/Kg		89	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	922.9		mg/Kg		92	70 - 130	6	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-120325/3-A
Matrix: Solid
Analysis Batch: 120650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120325

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: MB 880-120474/1-A
Matrix: Solid
Analysis Batch: 120650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120474

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		10/03/25 14:25	10/07/25 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/25 14:25	10/07/25 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/25 14:25	10/07/25 20:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	10/03/25 14:25	10/07/25 20:25	1
o-Terphenyl	99		70 - 130	10/03/25 14:25	10/07/25 20:25	1

Lab Sample ID: LCS 880-120474/2-A
Matrix: Solid
Analysis Batch: 120650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120474

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	882.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	988.7		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-120474/3-A
Matrix: Solid
Analysis Batch: 120650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120474

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	872.5		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	981.0		mg/Kg		98	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	106		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120266/1-A
Matrix: Solid
Analysis Batch: 120385

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			10/02/25 20:43	1

Lab Sample ID: LCS 880-120266/2-A
Matrix: Solid
Analysis Batch: 120385

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.3		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-120266/3-A
Matrix: Solid
Analysis Batch: 120385

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	247.3		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-8897-32 MS
Matrix: Solid
Analysis Batch: 120385

Client Sample ID: CS-119A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	103		253	377.1		mg/Kg		109	90 - 110		

Lab Sample ID: 890-8897-32 MSD
Matrix: Solid
Analysis Batch: 120385

Client Sample ID: CS-119A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	103		253	368.5		mg/Kg		105	90 - 110	2	20

Lab Sample ID: MB 880-120268/1-A
Matrix: Solid
Analysis Batch: 120386

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			10/02/25 21:07	1

Lab Sample ID: LCS 880-120268/2-A
Matrix: Solid
Analysis Batch: 120386

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-120268/3-A
Matrix: Solid
Analysis Batch: 120386

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	245.5		mg/Kg		98	90 - 110	0	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8897-1 MS
Matrix: Solid
Analysis Batch: 120386

Client Sample ID: CS-88A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	268	F1	251	548.2	F1	mg/Kg		112	90 - 110

Lab Sample ID: 890-8897-1 MSD
Matrix: Solid
Analysis Batch: 120386

Client Sample ID: CS-88A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	268	F1	251	548.0	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 890-8897-11 MS
Matrix: Solid
Analysis Batch: 120386

Client Sample ID: CS-98A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	309	F1	248	443.5	F1	mg/Kg		55	90 - 110

Lab Sample ID: 890-8897-11 MSD
Matrix: Solid
Analysis Batch: 120386

Client Sample ID: CS-98A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	309	F1	248	445.1	F1	mg/Kg		55	90 - 110	0	20

Lab Sample ID: MB 880-120320/1-A
Matrix: Solid
Analysis Batch: 120392

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			10/03/25 11:54	1

Lab Sample ID: LCS 880-120320/2-A
Matrix: Solid
Analysis Batch: 120392

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.4		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-120320/3-A
Matrix: Solid
Analysis Batch: 120392

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	240.7		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-8897-14 MS
Matrix: Solid
Analysis Batch: 120392

Client Sample ID: CS-101A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	177		251	407.4		mg/Kg		92	90 - 110

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8897-14 MSD
Matrix: Solid
Analysis Batch: 120392

Client Sample ID: CS-101A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	177		251	401.6		mg/Kg		90	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 120262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1	CS-88A	Total/NA	Solid	8021B	120367
890-8897-2	CS-89A	Total/NA	Solid	8021B	120367
890-8897-3	CS-90A	Total/NA	Solid	8021B	120367
890-8897-4	CS-91A	Total/NA	Solid	8021B	120367
890-8897-5	CS-92A	Total/NA	Solid	8021B	120367
890-8897-6	CS-93A	Total/NA	Solid	8021B	120367
890-8897-7	CS-94A	Total/NA	Solid	8021B	120367
890-8897-8	CS-95A	Total/NA	Solid	8021B	120367
890-8897-9	CS-96A	Total/NA	Solid	8021B	120367
890-8897-10	CS-97A	Total/NA	Solid	8021B	120367
890-8897-11	CS-98A	Total/NA	Solid	8021B	120367
890-8897-12	CS-99A	Total/NA	Solid	8021B	120367
890-8897-13	CS-100A	Total/NA	Solid	8021B	120367
890-8897-14	CS-101A	Total/NA	Solid	8021B	120367
890-8897-15	CS-102A	Total/NA	Solid	8021B	120367
890-8897-16	CS-103A	Total/NA	Solid	8021B	120367
890-8897-17	CS-104A	Total/NA	Solid	8021B	120367
890-8897-18	CS-105A	Total/NA	Solid	8021B	120367
890-8897-19	CS-106A	Total/NA	Solid	8021B	120367
890-8897-20	CS-107A	Total/NA	Solid	8021B	120367
MB 880-120290/5-A	Method Blank	Total/NA	Solid	8021B	120290
MB 880-120367/5-A	Method Blank	Total/NA	Solid	8021B	120367
LCS 880-120367/1-A	Lab Control Sample	Total/NA	Solid	8021B	120367
LCSD 880-120367/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120367
890-8897-1 MS	CS-88A	Total/NA	Solid	8021B	120367
890-8897-1 MSD	CS-88A	Total/NA	Solid	8021B	120367

Prep Batch: 120290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-120290/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 120367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1	CS-88A	Total/NA	Solid	5035	
890-8897-2	CS-89A	Total/NA	Solid	5035	
890-8897-3	CS-90A	Total/NA	Solid	5035	
890-8897-4	CS-91A	Total/NA	Solid	5035	
890-8897-5	CS-92A	Total/NA	Solid	5035	
890-8897-6	CS-93A	Total/NA	Solid	5035	
890-8897-7	CS-94A	Total/NA	Solid	5035	
890-8897-8	CS-95A	Total/NA	Solid	5035	
890-8897-9	CS-96A	Total/NA	Solid	5035	
890-8897-10	CS-97A	Total/NA	Solid	5035	
890-8897-11	CS-98A	Total/NA	Solid	5035	
890-8897-12	CS-99A	Total/NA	Solid	5035	
890-8897-13	CS-100A	Total/NA	Solid	5035	
890-8897-14	CS-101A	Total/NA	Solid	5035	
890-8897-15	CS-102A	Total/NA	Solid	5035	
890-8897-16	CS-103A	Total/NA	Solid	5035	
890-8897-17	CS-104A	Total/NA	Solid	5035	
890-8897-18	CS-105A	Total/NA	Solid	5035	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 120367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-19	CS-106A	Total/NA	Solid	5035	
890-8897-20	CS-107A	Total/NA	Solid	5035	
MB 880-120367/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120367/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120367/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8897-1 MS	CS-88A	Total/NA	Solid	5035	
890-8897-1 MSD	CS-88A	Total/NA	Solid	5035	

Prep Batch: 120370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-21	CS-108A	Total/NA	Solid	5035	
890-8897-22	CS-109A	Total/NA	Solid	5035	
890-8897-23	CS-110A	Total/NA	Solid	5035	
890-8897-24	CS-111A	Total/NA	Solid	5035	
890-8897-25	CS-112A	Total/NA	Solid	5035	
890-8897-26	CS-113A	Total/NA	Solid	5035	
890-8897-27	CS-114A	Total/NA	Solid	5035	
890-8897-28	CS-115A	Total/NA	Solid	5035	
890-8897-29	CS-116A	Total/NA	Solid	5035	
890-8897-30	CS-117A	Total/NA	Solid	5035	
890-8897-31	CS-118A	Total/NA	Solid	5035	
890-8897-32	CS-119A	Total/NA	Solid	5035	
890-8897-33	CS-120A	Total/NA	Solid	5035	
890-8897-34	CS-121A	Total/NA	Solid	5035	
890-8897-35	CS-122A	Total/NA	Solid	5035	
890-8897-36	CS-123A	Total/NA	Solid	5035	
890-8897-37	CS-124A	Total/NA	Solid	5035	
890-8897-38	CS-26B	Total/NA	Solid	5035	
890-8897-39	CS-27B	Total/NA	Solid	5035	
890-8897-40	CS-28B	Total/NA	Solid	5035	
MB 880-120370/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120370/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120370/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8897-21 MS	CS-108A	Total/NA	Solid	5035	
890-8897-21 MSD	CS-108A	Total/NA	Solid	5035	

Prep Batch: 120457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-120457/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 120470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1	CS-88A	Total/NA	Solid	Total BTEX	
890-8897-2	CS-89A	Total/NA	Solid	Total BTEX	
890-8897-3	CS-90A	Total/NA	Solid	Total BTEX	
890-8897-4	CS-91A	Total/NA	Solid	Total BTEX	
890-8897-5	CS-92A	Total/NA	Solid	Total BTEX	
890-8897-6	CS-93A	Total/NA	Solid	Total BTEX	
890-8897-7	CS-94A	Total/NA	Solid	Total BTEX	
890-8897-8	CS-95A	Total/NA	Solid	Total BTEX	
890-8897-9	CS-96A	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 120470 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-10	CS-97A	Total/NA	Solid	Total BTEX	
890-8897-11	CS-98A	Total/NA	Solid	Total BTEX	
890-8897-12	CS-99A	Total/NA	Solid	Total BTEX	
890-8897-13	CS-100A	Total/NA	Solid	Total BTEX	
890-8897-14	CS-101A	Total/NA	Solid	Total BTEX	
890-8897-15	CS-102A	Total/NA	Solid	Total BTEX	
890-8897-16	CS-103A	Total/NA	Solid	Total BTEX	
890-8897-17	CS-104A	Total/NA	Solid	Total BTEX	
890-8897-18	CS-105A	Total/NA	Solid	Total BTEX	
890-8897-19	CS-106A	Total/NA	Solid	Total BTEX	
890-8897-20	CS-107A	Total/NA	Solid	Total BTEX	
890-8897-21	CS-108A	Total/NA	Solid	Total BTEX	
890-8897-22	CS-109A	Total/NA	Solid	Total BTEX	
890-8897-23	CS-110A	Total/NA	Solid	Total BTEX	
890-8897-24	CS-111A	Total/NA	Solid	Total BTEX	
890-8897-25	CS-112A	Total/NA	Solid	Total BTEX	
890-8897-26	CS-113A	Total/NA	Solid	Total BTEX	
890-8897-27	CS-114A	Total/NA	Solid	Total BTEX	
890-8897-28	CS-115A	Total/NA	Solid	Total BTEX	
890-8897-29	CS-116A	Total/NA	Solid	Total BTEX	
890-8897-30	CS-117A	Total/NA	Solid	Total BTEX	
890-8897-31	CS-118A	Total/NA	Solid	Total BTEX	
890-8897-32	CS-119A	Total/NA	Solid	Total BTEX	
890-8897-33	CS-120A	Total/NA	Solid	Total BTEX	
890-8897-34	CS-121A	Total/NA	Solid	Total BTEX	
890-8897-35	CS-122A	Total/NA	Solid	Total BTEX	
890-8897-36	CS-123A	Total/NA	Solid	Total BTEX	
890-8897-37	CS-124A	Total/NA	Solid	Total BTEX	
890-8897-38	CS-26B	Total/NA	Solid	Total BTEX	
890-8897-39	CS-27B	Total/NA	Solid	Total BTEX	
890-8897-40	CS-28B	Total/NA	Solid	Total BTEX	

Analysis Batch: 120472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-21	CS-108A	Total/NA	Solid	8021B	120370
890-8897-22	CS-109A	Total/NA	Solid	8021B	120370
890-8897-23	CS-110A	Total/NA	Solid	8021B	120370
890-8897-24	CS-111A	Total/NA	Solid	8021B	120370
890-8897-25	CS-112A	Total/NA	Solid	8021B	120370
890-8897-26	CS-113A	Total/NA	Solid	8021B	120370
890-8897-27	CS-114A	Total/NA	Solid	8021B	120370
890-8897-28	CS-115A	Total/NA	Solid	8021B	120370
890-8897-29	CS-116A	Total/NA	Solid	8021B	120370
890-8897-30	CS-117A	Total/NA	Solid	8021B	120370
890-8897-31	CS-118A	Total/NA	Solid	8021B	120370
890-8897-32	CS-119A	Total/NA	Solid	8021B	120370
890-8897-33	CS-120A	Total/NA	Solid	8021B	120370
890-8897-34	CS-121A	Total/NA	Solid	8021B	120370
890-8897-35	CS-122A	Total/NA	Solid	8021B	120370
890-8897-36	CS-123A	Total/NA	Solid	8021B	120370
890-8897-37	CS-124A	Total/NA	Solid	8021B	120370

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 120472 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-38	CS-26B	Total/NA	Solid	8021B	120370
890-8897-39	CS-27B	Total/NA	Solid	8021B	120370
890-8897-40	CS-28B	Total/NA	Solid	8021B	120370
MB 880-120370/5-A	Method Blank	Total/NA	Solid	8021B	120370
MB 880-120457/5-A	Method Blank	Total/NA	Solid	8021B	120457
LCS 880-120370/1-A	Lab Control Sample	Total/NA	Solid	8021B	120370
LCSD 880-120370/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120370
890-8897-21 MS	CS-108A	Total/NA	Solid	8021B	120370
890-8897-21 MSD	CS-108A	Total/NA	Solid	8021B	120370

GC Semi VOA

Prep Batch: 120145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-17	CS-104A	Total/NA	Solid	8015NM Prep	
890-8897-18	CS-105A	Total/NA	Solid	8015NM Prep	
MB 880-120145/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120145/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120145/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 120234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-3	CS-90A	Total/NA	Solid	8015NM Prep	
890-8897-4	CS-91A	Total/NA	Solid	8015NM Prep	
890-8897-5	CS-92A	Total/NA	Solid	8015NM Prep	
890-8897-6	CS-93A	Total/NA	Solid	8015NM Prep	
890-8897-7	CS-94A	Total/NA	Solid	8015NM Prep	
890-8897-8	CS-95A	Total/NA	Solid	8015NM Prep	
890-8897-9	CS-96A	Total/NA	Solid	8015NM Prep	
890-8897-10	CS-97A	Total/NA	Solid	8015NM Prep	
890-8897-11	CS-98A	Total/NA	Solid	8015NM Prep	
890-8897-12	CS-99A	Total/NA	Solid	8015NM Prep	
890-8897-13	CS-100A	Total/NA	Solid	8015NM Prep	
890-8897-14	CS-101A	Total/NA	Solid	8015NM Prep	
890-8897-15	CS-102A	Total/NA	Solid	8015NM Prep	
890-8897-16	CS-103A	Total/NA	Solid	8015NM Prep	
MB 880-120234/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120234/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120234/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 120271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1	CS-88A	Total/NA	Solid	8015NM Prep	
890-8897-2	CS-89A	Total/NA	Solid	8015NM Prep	
890-8897-19	CS-106A	Total/NA	Solid	8015NM Prep	
890-8897-20	CS-107A	Total/NA	Solid	8015NM Prep	
890-8897-21	CS-108A	Total/NA	Solid	8015NM Prep	
890-8897-22	CS-109A	Total/NA	Solid	8015NM Prep	
890-8897-23	CS-110A	Total/NA	Solid	8015NM Prep	
890-8897-24	CS-111A	Total/NA	Solid	8015NM Prep	
890-8897-25	CS-112A	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 120271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-26	CS-113A	Total/NA	Solid	8015NM Prep	
890-8897-27	CS-114A	Total/NA	Solid	8015NM Prep	
890-8897-28	CS-115A	Total/NA	Solid	8015NM Prep	
890-8897-29	CS-116A	Total/NA	Solid	8015NM Prep	
890-8897-30	CS-117A	Total/NA	Solid	8015NM Prep	
890-8897-31	CS-118A	Total/NA	Solid	8015NM Prep	
890-8897-32	CS-119A	Total/NA	Solid	8015NM Prep	
890-8897-33	CS-120A	Total/NA	Solid	8015NM Prep	
890-8897-34	CS-121A	Total/NA	Solid	8015NM Prep	
890-8897-35	CS-122A	Total/NA	Solid	8015NM Prep	
890-8897-36	CS-123A	Total/NA	Solid	8015NM Prep	
MB 880-120271/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120271/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8897-19 MS	CS-106A	Total/NA	Solid	8015NM Prep	
890-8897-19 MSD	CS-106A	Total/NA	Solid	8015NM Prep	

Prep Batch: 120272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-39	CS-27B	Total/NA	Solid	8015NM Prep	
890-8897-40	CS-28B	Total/NA	Solid	8015NM Prep	
MB 880-120272/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120272/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120272/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8897-39 MS	CS-27B	Total/NA	Solid	8015NM Prep	
890-8897-39 MSD	CS-27B	Total/NA	Solid	8015NM Prep	

Prep Batch: 120325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-37	CS-124A	Total/NA	Solid	8015NM Prep	
890-8897-38	CS-26B	Total/NA	Solid	8015NM Prep	
MB 880-120325/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120325/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 120474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-37	CS-124A	Total/NA	Solid	8015NM Prep	
890-8897-38	CS-26B	Total/NA	Solid	8015NM Prep	
MB 880-120474/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120474/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120474/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-17	CS-104A	Total/NA	Solid	8015B NM	120145
890-8897-18	CS-105A	Total/NA	Solid	8015B NM	120145
MB 880-120145/1-A	Method Blank	Total/NA	Solid	8015B NM	120145
LCS 880-120145/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120145
LCSD 880-120145/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120145

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 120549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1	CS-88A	Total/NA	Solid	8015B NM	120271
890-8897-2	CS-89A	Total/NA	Solid	8015B NM	120271
890-8897-3	CS-90A	Total/NA	Solid	8015B NM	120234
890-8897-4	CS-91A	Total/NA	Solid	8015B NM	120234
890-8897-5	CS-92A	Total/NA	Solid	8015B NM	120234
890-8897-6	CS-93A	Total/NA	Solid	8015B NM	120234
890-8897-7	CS-94A	Total/NA	Solid	8015B NM	120234
890-8897-8	CS-95A	Total/NA	Solid	8015B NM	120234
890-8897-9	CS-96A	Total/NA	Solid	8015B NM	120234
890-8897-10	CS-97A	Total/NA	Solid	8015B NM	120234
890-8897-11	CS-98A	Total/NA	Solid	8015B NM	120234
890-8897-12	CS-99A	Total/NA	Solid	8015B NM	120234
890-8897-13	CS-100A	Total/NA	Solid	8015B NM	120234
890-8897-14	CS-101A	Total/NA	Solid	8015B NM	120234
890-8897-15	CS-102A	Total/NA	Solid	8015B NM	120234
890-8897-16	CS-103A	Total/NA	Solid	8015B NM	120234
890-8897-19	CS-106A	Total/NA	Solid	8015B NM	120271
890-8897-20	CS-107A	Total/NA	Solid	8015B NM	120271
890-8897-21	CS-108A	Total/NA	Solid	8015B NM	120271
890-8897-22	CS-109A	Total/NA	Solid	8015B NM	120271
890-8897-23	CS-110A	Total/NA	Solid	8015B NM	120271
890-8897-24	CS-111A	Total/NA	Solid	8015B NM	120271
890-8897-25	CS-112A	Total/NA	Solid	8015B NM	120271
890-8897-26	CS-113A	Total/NA	Solid	8015B NM	120271
890-8897-27	CS-114A	Total/NA	Solid	8015B NM	120271
890-8897-28	CS-115A	Total/NA	Solid	8015B NM	120271
890-8897-29	CS-116A	Total/NA	Solid	8015B NM	120271
890-8897-30	CS-117A	Total/NA	Solid	8015B NM	120271
890-8897-31	CS-118A	Total/NA	Solid	8015B NM	120271
890-8897-32	CS-119A	Total/NA	Solid	8015B NM	120271
890-8897-33	CS-120A	Total/NA	Solid	8015B NM	120271
890-8897-34	CS-121A	Total/NA	Solid	8015B NM	120271
890-8897-35	CS-122A	Total/NA	Solid	8015B NM	120271
890-8897-36	CS-123A	Total/NA	Solid	8015B NM	120271
MB 880-120234/1-A	Method Blank	Total/NA	Solid	8015B NM	120234
MB 880-120271/1-A	Method Blank	Total/NA	Solid	8015B NM	120271
LCS 880-120234/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120234
LCS 880-120271/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120271
LCSD 880-120234/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120234
LCSD 880-120271/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120271
890-8897-19 MS	CS-106A	Total/NA	Solid	8015B NM	120271
890-8897-19 MSD	CS-106A	Total/NA	Solid	8015B NM	120271

Analysis Batch: 120599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1	CS-88A	Total/NA	Solid	8015 NM	
890-8897-2	CS-89A	Total/NA	Solid	8015 NM	
890-8897-3	CS-90A	Total/NA	Solid	8015 NM	
890-8897-4	CS-91A	Total/NA	Solid	8015 NM	
890-8897-5	CS-92A	Total/NA	Solid	8015 NM	
890-8897-6	CS-93A	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 120599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-7	CS-94A	Total/NA	Solid	8015 NM	
890-8897-8	CS-95A	Total/NA	Solid	8015 NM	
890-8897-9	CS-96A	Total/NA	Solid	8015 NM	
890-8897-10	CS-97A	Total/NA	Solid	8015 NM	
890-8897-11	CS-98A	Total/NA	Solid	8015 NM	
890-8897-12	CS-99A	Total/NA	Solid	8015 NM	
890-8897-13	CS-100A	Total/NA	Solid	8015 NM	
890-8897-14	CS-101A	Total/NA	Solid	8015 NM	
890-8897-15	CS-102A	Total/NA	Solid	8015 NM	
890-8897-16	CS-103A	Total/NA	Solid	8015 NM	
890-8897-17	CS-104A	Total/NA	Solid	8015 NM	
890-8897-18	CS-105A	Total/NA	Solid	8015 NM	
890-8897-19	CS-106A	Total/NA	Solid	8015 NM	
890-8897-20	CS-107A	Total/NA	Solid	8015 NM	
890-8897-21	CS-108A	Total/NA	Solid	8015 NM	
890-8897-22	CS-109A	Total/NA	Solid	8015 NM	
890-8897-23	CS-110A	Total/NA	Solid	8015 NM	
890-8897-24	CS-111A	Total/NA	Solid	8015 NM	
890-8897-25	CS-112A	Total/NA	Solid	8015 NM	
890-8897-26	CS-113A	Total/NA	Solid	8015 NM	
890-8897-27	CS-114A	Total/NA	Solid	8015 NM	
890-8897-28	CS-115A	Total/NA	Solid	8015 NM	
890-8897-29	CS-116A	Total/NA	Solid	8015 NM	
890-8897-30	CS-117A	Total/NA	Solid	8015 NM	
890-8897-31	CS-118A	Total/NA	Solid	8015 NM	
890-8897-32	CS-119A	Total/NA	Solid	8015 NM	
890-8897-33	CS-120A	Total/NA	Solid	8015 NM	
890-8897-34	CS-121A	Total/NA	Solid	8015 NM	
890-8897-35	CS-122A	Total/NA	Solid	8015 NM	
890-8897-36	CS-123A	Total/NA	Solid	8015 NM	
890-8897-37	CS-124A	Total/NA	Solid	8015 NM	
890-8897-38	CS-26B	Total/NA	Solid	8015 NM	
890-8897-39	CS-27B	Total/NA	Solid	8015 NM	
890-8897-40	CS-28B	Total/NA	Solid	8015 NM	

Analysis Batch: 120640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-39	CS-27B	Total/NA	Solid	8015B NM	120272
890-8897-40	CS-28B	Total/NA	Solid	8015B NM	120272
MB 880-120272/1-A	Method Blank	Total/NA	Solid	8015B NM	120272
LCS 880-120272/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120272
LCSD 880-120272/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120272
890-8897-39 MS	CS-27B	Total/NA	Solid	8015B NM	120272
890-8897-39 MSD	CS-27B	Total/NA	Solid	8015B NM	120272

Analysis Batch: 120650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-37	CS-124A	Total/NA	Solid	8015B NM	120325
890-8897-37	CS-124A	Total/NA	Solid	8015B NM	120474
890-8897-38	CS-26B	Total/NA	Solid	8015B NM	120325
890-8897-38	CS-26B	Total/NA	Solid	8015B NM	120474

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 120650 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-120325/1-A	Method Blank	Total/NA	Solid	8015B NM	120325
MB 880-120474/1-A	Method Blank	Total/NA	Solid	8015B NM	120474
LCS 880-120325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120325
LCS 880-120474/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120474
LCSD 880-120325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120325
LCSD 880-120474/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120474

HPLC/IC

Leach Batch: 120266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-24	CS-111A	Soluble	Solid	DI Leach	
890-8897-25	CS-112A	Soluble	Solid	DI Leach	
890-8897-26	CS-113A	Soluble	Solid	DI Leach	
890-8897-27	CS-114A	Soluble	Solid	DI Leach	
890-8897-28	CS-115A	Soluble	Solid	DI Leach	
890-8897-29	CS-116A	Soluble	Solid	DI Leach	
890-8897-30	CS-117A	Soluble	Solid	DI Leach	
890-8897-31	CS-118A	Soluble	Solid	DI Leach	
890-8897-32	CS-119A	Soluble	Solid	DI Leach	
890-8897-33	CS-120A	Soluble	Solid	DI Leach	
890-8897-34	CS-121A	Soluble	Solid	DI Leach	
890-8897-35	CS-122A	Soluble	Solid	DI Leach	
890-8897-36	CS-123A	Soluble	Solid	DI Leach	
890-8897-37	CS-124A	Soluble	Solid	DI Leach	
890-8897-38	CS-26B	Soluble	Solid	DI Leach	
890-8897-39	CS-27B	Soluble	Solid	DI Leach	
890-8897-40	CS-28B	Soluble	Solid	DI Leach	
MB 880-120266/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120266/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120266/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8897-32 MS	CS-119A	Soluble	Solid	DI Leach	
890-8897-32 MSD	CS-119A	Soluble	Solid	DI Leach	

Leach Batch: 120268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1	CS-88A	Soluble	Solid	DI Leach	
890-8897-2	CS-89A	Soluble	Solid	DI Leach	
890-8897-3	CS-90A	Soluble	Solid	DI Leach	
890-8897-4	CS-91A	Soluble	Solid	DI Leach	
890-8897-5	CS-92A	Soluble	Solid	DI Leach	
890-8897-6	CS-93A	Soluble	Solid	DI Leach	
890-8897-7	CS-94A	Soluble	Solid	DI Leach	
890-8897-8	CS-95A	Soluble	Solid	DI Leach	
890-8897-9	CS-96A	Soluble	Solid	DI Leach	
890-8897-10	CS-97A	Soluble	Solid	DI Leach	
890-8897-11	CS-98A	Soluble	Solid	DI Leach	
890-8897-12	CS-99A	Soluble	Solid	DI Leach	
MB 880-120268/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120268/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120268/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 120268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1 MS	CS-88A	Soluble	Solid	DI Leach	
890-8897-1 MSD	CS-88A	Soluble	Solid	DI Leach	
890-8897-11 MS	CS-98A	Soluble	Solid	DI Leach	
890-8897-11 MSD	CS-98A	Soluble	Solid	DI Leach	

Leach Batch: 120320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-13	CS-100A	Soluble	Solid	DI Leach	
890-8897-14	CS-101A	Soluble	Solid	DI Leach	
890-8897-15	CS-102A	Soluble	Solid	DI Leach	
890-8897-16	CS-103A	Soluble	Solid	DI Leach	
890-8897-17	CS-104A	Soluble	Solid	DI Leach	
890-8897-18	CS-105A	Soluble	Solid	DI Leach	
890-8897-19	CS-106A	Soluble	Solid	DI Leach	
890-8897-20	CS-107A	Soluble	Solid	DI Leach	
890-8897-21	CS-108A	Soluble	Solid	DI Leach	
890-8897-22	CS-109A	Soluble	Solid	DI Leach	
890-8897-23	CS-110A	Soluble	Solid	DI Leach	
MB 880-120320/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120320/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120320/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8897-14 MS	CS-101A	Soluble	Solid	DI Leach	
890-8897-14 MSD	CS-101A	Soluble	Solid	DI Leach	

Analysis Batch: 120385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-24	CS-111A	Soluble	Solid	300.0	120266
890-8897-25	CS-112A	Soluble	Solid	300.0	120266
890-8897-26	CS-113A	Soluble	Solid	300.0	120266
890-8897-27	CS-114A	Soluble	Solid	300.0	120266
890-8897-28	CS-115A	Soluble	Solid	300.0	120266
890-8897-29	CS-116A	Soluble	Solid	300.0	120266
890-8897-30	CS-117A	Soluble	Solid	300.0	120266
890-8897-31	CS-118A	Soluble	Solid	300.0	120266
890-8897-32	CS-119A	Soluble	Solid	300.0	120266
890-8897-33	CS-120A	Soluble	Solid	300.0	120266
890-8897-34	CS-121A	Soluble	Solid	300.0	120266
890-8897-35	CS-122A	Soluble	Solid	300.0	120266
890-8897-36	CS-123A	Soluble	Solid	300.0	120266
890-8897-37	CS-124A	Soluble	Solid	300.0	120266
890-8897-38	CS-26B	Soluble	Solid	300.0	120266
890-8897-39	CS-27B	Soluble	Solid	300.0	120266
890-8897-40	CS-28B	Soluble	Solid	300.0	120266
MB 880-120266/1-A	Method Blank	Soluble	Solid	300.0	120266
LCS 880-120266/2-A	Lab Control Sample	Soluble	Solid	300.0	120266
LCSD 880-120266/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120266
890-8897-32 MS	CS-119A	Soluble	Solid	300.0	120266
890-8897-32 MSD	CS-119A	Soluble	Solid	300.0	120266

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

HPLC/IC

Analysis Batch: 120386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-1	CS-88A	Soluble	Solid	300.0	120268
890-8897-2	CS-89A	Soluble	Solid	300.0	120268
890-8897-3	CS-90A	Soluble	Solid	300.0	120268
890-8897-4	CS-91A	Soluble	Solid	300.0	120268
890-8897-5	CS-92A	Soluble	Solid	300.0	120268
890-8897-6	CS-93A	Soluble	Solid	300.0	120268
890-8897-7	CS-94A	Soluble	Solid	300.0	120268
890-8897-8	CS-95A	Soluble	Solid	300.0	120268
890-8897-9	CS-96A	Soluble	Solid	300.0	120268
890-8897-10	CS-97A	Soluble	Solid	300.0	120268
890-8897-11	CS-98A	Soluble	Solid	300.0	120268
890-8897-12	CS-99A	Soluble	Solid	300.0	120268
MB 880-120268/1-A	Method Blank	Soluble	Solid	300.0	120268
LCS 880-120268/2-A	Lab Control Sample	Soluble	Solid	300.0	120268
LCSD 880-120268/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120268
890-8897-1 MS	CS-88A	Soluble	Solid	300.0	120268
890-8897-1 MSD	CS-88A	Soluble	Solid	300.0	120268
890-8897-11 MS	CS-98A	Soluble	Solid	300.0	120268
890-8897-11 MSD	CS-98A	Soluble	Solid	300.0	120268

Analysis Batch: 120392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8897-13	CS-100A	Soluble	Solid	300.0	120320
890-8897-14	CS-101A	Soluble	Solid	300.0	120320
890-8897-15	CS-102A	Soluble	Solid	300.0	120320
890-8897-16	CS-103A	Soluble	Solid	300.0	120320
890-8897-17	CS-104A	Soluble	Solid	300.0	120320
890-8897-18	CS-105A	Soluble	Solid	300.0	120320
890-8897-19	CS-106A	Soluble	Solid	300.0	120320
890-8897-20	CS-107A	Soluble	Solid	300.0	120320
890-8897-21	CS-108A	Soluble	Solid	300.0	120320
890-8897-22	CS-109A	Soluble	Solid	300.0	120320
890-8897-23	CS-110A	Soluble	Solid	300.0	120320
MB 880-120320/1-A	Method Blank	Soluble	Solid	300.0	120320
LCS 880-120320/2-A	Lab Control Sample	Soluble	Solid	300.0	120320
LCSD 880-120320/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120320
890-8897-14 MS	CS-101A	Soluble	Solid	300.0	120320
890-8897-14 MSD	CS-101A	Soluble	Solid	300.0	120320

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-88A

Date Collected: 09/29/25 09:45
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-1
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			5.02 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/02/25 23:53	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/02/25 23:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 09:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 09:10	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 21:22	CS	EET MID

Client Sample ID: CS-89A

Date Collected: 09/29/25 09:50
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-2
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			4.96 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 00:13	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 00:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 09:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 09:24	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 21:38	CS	EET MID

Client Sample ID: CS-90A

Date Collected: 09/29/25 09:55
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-3
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			5.01 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 00:34	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 00:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/06/25 22:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/06/25 22:14	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 21:43	CS	EET MID

Client Sample ID: CS-91A

Date Collected: 09/29/25 10:00
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-4
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			4.95 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 00:54	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 00:54	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-91A

Date Collected: 09/29/25 10:00
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-4
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			120599	10/06/25 22:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/06/25 22:30	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 21:48	CS	EET MID

Client Sample ID: CS-92A

Date Collected: 09/29/25 10:05
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-5
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			4.99 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 01:15	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 01:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/06/25 22:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/06/25 22:44	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 21:54	CS	EET MID

Client Sample ID: CS-93A

Date Collected: 09/29/25 10:10
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-6
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	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 01:35	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 01:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/06/25 22:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/06/25 22:59	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 22:09	CS	EET MID

Client Sample ID: CS-94A

Date Collected: 09/29/25 10:15
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-7
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			5.01 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 01:55	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 01:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/06/25 23:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/06/25 23:13	FC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-94A
Date Collected: 09/29/25 10:15
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-7
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			4.99 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 22:15	CS	EET MID

Client Sample ID: CS-95A
Date Collected: 09/29/25 10:20
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-8
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	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 02:16	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 02:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/06/25 23:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/06/25 23:27	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 22:20	CS	EET MID

Client Sample ID: CS-96A
Date Collected: 09/29/25 10:25
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-9
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			4.97 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 02:36	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 02:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/06/25 23:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/06/25 23:55	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 22:25	CS	EET MID

Client Sample ID: CS-97A
Date Collected: 09/29/25 10:30
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-10
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			4.99 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 02:57	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 02:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 00:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 00:11	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 22:30	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-98A
Date Collected: 09/29/25 10:35
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-11
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			5.01 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 04:30	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 04:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 00:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 00:25	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 22:36	CS	EET MID

Client Sample ID: CS-99A
Date Collected: 09/29/25 10:40
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 04:50	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 04:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 00:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 00:41	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 22:51	CS	EET MID

Client Sample ID: CS-100A
Date Collected: 09/29/25 10:45
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 05:11	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 05:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 00:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 00:55	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 13:18	CS	EET MID

Client Sample ID: CS-101A
Date Collected: 09/29/25 10:50
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-14
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	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 05:31	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 05:31	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8897-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: CS-101A
Lab Sample ID: 890-8897-14
Date Collected: 09/29/25 10:50
Matrix: Solid
Date Received: 10/01/25 13:56

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			120599	10/07/25 01:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 01:11	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 13:23	CS	EET MID

Client Sample ID: CS-102A
Lab Sample ID: 890-8897-15
Date Collected: 09/29/25 10:55
Matrix: Solid
Date Received: 10/01/25 13:56

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	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 05:52	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 05:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 01:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 01:24	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 13:39	CS	EET MID

Client Sample ID: CS-103A
Lab Sample ID: 890-8897-16
Date Collected: 09/29/25 11:00
Matrix: Solid
Date Received: 10/01/25 13:56

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	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 06:12	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 06:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 01:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	120234	10/01/25 15:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 01:40	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 13:44	CS	EET MID

Client Sample ID: CS-104A
Lab Sample ID: 890-8897-17
Date Collected: 09/29/25 11:05
Matrix: Solid
Date Received: 10/01/25 13:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 06:32	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 06:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/06/25 14:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120145	10/01/25 08:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120516	10/06/25 14:30	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-104A
Date Collected: 09/29/25 11:05
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-17
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			5.05 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 14:00	CS	EET MID

Client Sample ID: CS-105A
Date Collected: 09/29/25 11:10
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 06:53	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 06:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/06/25 14:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	120145	10/01/25 08:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120516	10/06/25 14:58	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 14:05	CS	EET MID

Client Sample ID: CS-106A
Date Collected: 09/29/25 11:15
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-19
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			4.99 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 07:13	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 07:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 04:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 04:06	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 14:10	CS	EET MID

Client Sample ID: CS-107A
Date Collected: 09/29/25 11:20
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	120367	10/02/25 14:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120262	10/03/25 07:34	EL	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/03/25 07:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 04:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 04:49	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 14:15	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-108A

Date Collected: 09/29/25 11:25
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-21

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			5.02 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 04:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 04:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 05:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 05:04	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 14:21	CS	EET MID

Client Sample ID: CS-109A

Date Collected: 09/29/25 11:30
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-22

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			4.96 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 05:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 05:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 05:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 05:17	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 14:26	CS	EET MID

Client Sample ID: CS-110A

Date Collected: 09/29/25 11:35
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-23

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			5.01 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 05:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 05:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 05:32	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120320	10/02/25 11:39	SI	EET MID
Soluble	Analysis	300.0		1			120392	10/03/25 14:31	CS	EET MID

Client Sample ID: CS-111A

Date Collected: 09/29/25 11:40
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-24

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	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 05:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 05:56	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8897-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: CS-111A
Lab Sample ID: 890-8897-24
Date Collected: 09/29/25 11:40
Matrix: Solid
Date Received: 10/01/25 13:56

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			120599	10/07/25 05:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 05:46	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 21:24	CS	EET MID

Client Sample ID: CS-112A
Lab Sample ID: 890-8897-25
Date Collected: 09/29/25 11:45
Matrix: Solid
Date Received: 10/01/25 13:56

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	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 06:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 06:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 06:00	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 21:30	CS	EET MID

Client Sample ID: CS-113A
Lab Sample ID: 890-8897-26
Date Collected: 09/29/25 11:50
Matrix: Solid
Date Received: 10/01/25 13:56

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	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 06:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 06:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 06:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 06:14	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 21:36	CS	EET MID

Client Sample ID: CS-114A
Lab Sample ID: 890-8897-27
Date Collected: 09/29/25 11:55
Matrix: Solid
Date Received: 10/01/25 13:56

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	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 06:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 06:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 06:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 06:29	FC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-114A
Date Collected: 09/29/25 11:55
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-27
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			4.95 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 22:29	CS	EET MID

Client Sample ID: CS-115A
Date Collected: 09/29/25 12:00
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-28
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			5.05 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 07:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 07:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 06:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 06:43	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 22:35	CS	EET MID

Client Sample ID: CS-116A
Date Collected: 09/29/25 12:05
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-29
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			4.97 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 07:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 07:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 07:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 07:13	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 22:41	CS	EET MID

Client Sample ID: CS-117A
Date Collected: 09/29/25 12:10
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-30
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			4.99 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 07:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 07:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 07:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 07:27	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 22:46	CS	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-118A

Date Collected: 09/29/25 12:15
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-31
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			5.01 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 09:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 09:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 07:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 07:42	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 22:52	CS	EET MID

Client Sample ID: CS-119A

Date Collected: 09/29/25 12:20
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-32
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			5.03 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 09:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 09:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 07:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 07:56	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 22:58	CS	EET MID

Client Sample ID: CS-120A

Date Collected: 09/29/25 12:25
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-33
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			5.02 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 10:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 10:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 08:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 08:12	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 23:16	CS	EET MID

Client Sample ID: CS-121A

Date Collected: 09/29/25 12:30
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-34
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			5.03 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 10:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 10:34	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-121A
Date Collected: 09/29/25 12:30
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-34
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			120599	10/07/25 08:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 08:26	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 23:22	CS	EET MID

Client Sample ID: CS-122A
Date Collected: 09/29/25 12:35
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-35
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			5.01 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 10:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 10:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 08:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 08:41	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 23:39	CS	EET MID

Client Sample ID: CS-123A
Date Collected: 09/29/25 12:40
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-36
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			5.05 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 11:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 11:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 08:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120271	10/02/25 08:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120549	10/07/25 08:55	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 23:45	CS	EET MID

Client Sample ID: CS-124A
Date Collected: 09/29/25 12:45
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8897-37
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			5.04 g	5 mL	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 12:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 19:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120325	10/02/25 12:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120650	10/07/25 19:14	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Client Sample ID: CS-124A

Lab Sample ID: 890-8897-37
Matrix: Solid
Date Collected: 09/29/25 12:45
Date Received: 10/01/25 13:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120474	10/03/25 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120650	10/08/25 02:23	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 23:51	CS	EET MID

Client Sample ID: CS-26B

Lab Sample ID: 890-8897-38
Matrix: Solid
Date Collected: 09/29/25 12:50
Date Received: 10/01/25 13:56

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	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 12:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 19:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120325	10/02/25 12:13	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120650	10/07/25 19:28	FC	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120474	10/03/25 14:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120650	10/08/25 02:36	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/02/25 23:57	CS	EET MID

Client Sample ID: CS-27B

Lab Sample ID: 890-8897-39
Matrix: Solid
Date Collected: 09/29/25 12:55
Date Received: 10/01/25 13:56

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	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 12:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 12:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 12:31	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/03/25 00:03	CS	EET MID

Client Sample ID: CS-28B

Lab Sample ID: 890-8897-40
Matrix: Solid
Date Collected: 09/29/25 13:00
Date Received: 10/01/25 13:56

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	120370	10/02/25 14:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120472	10/04/25 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120470	10/04/25 13:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			120599	10/07/25 13:16	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8897-1
Project/Site: Ross Draw Unit 43
SDG: Eddy County, NM

Client Sample ID: CS-28B
Lab Sample ID: 890-8897-40
Date Collected: 09/29/25 13:00
Matrix: Solid
Date Received: 10/01/25 13:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 13:16	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/03/25 00:09	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: 890-8897-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8897-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8897-1	CS-88A	Solid	09/29/25 09:45	10/01/25 13:56	3
890-8897-2	CS-89A	Solid	09/29/25 09:50	10/01/25 13:56	3
890-8897-3	CS-90A	Solid	09/29/25 09:55	10/01/25 13:56	3
890-8897-4	CS-91A	Solid	09/29/25 10:00	10/01/25 13:56	3
890-8897-5	CS-92A	Solid	09/29/25 10:05	10/01/25 13:56	3
890-8897-6	CS-93A	Solid	09/29/25 10:10	10/01/25 13:56	3
890-8897-7	CS-94A	Solid	09/29/25 10:15	10/01/25 13:56	3
890-8897-8	CS-95A	Solid	09/29/25 10:20	10/01/25 13:56	3
890-8897-9	CS-96A	Solid	09/29/25 10:25	10/01/25 13:56	3
890-8897-10	CS-97A	Solid	09/29/25 10:30	10/01/25 13:56	3
890-8897-11	CS-98A	Solid	09/29/25 10:35	10/01/25 13:56	3
890-8897-12	CS-99A	Solid	09/29/25 10:40	10/01/25 13:56	3
890-8897-13	CS-100A	Solid	09/29/25 10:45	10/01/25 13:56	2
890-8897-14	CS-101A	Solid	09/29/25 10:50	10/01/25 13:56	2
890-8897-15	CS-102A	Solid	09/29/25 10:55	10/01/25 13:56	2
890-8897-16	CS-103A	Solid	09/29/25 11:00	10/01/25 13:56	2
890-8897-17	CS-104A	Solid	09/29/25 11:05	10/01/25 13:56	2
890-8897-18	CS-105A	Solid	09/29/25 11:10	10/01/25 13:56	2
890-8897-19	CS-106A	Solid	09/29/25 11:15	10/01/25 13:56	2
890-8897-20	CS-107A	Solid	09/29/25 11:20	10/01/25 13:56	2
890-8897-21	CS-108A	Solid	09/29/25 11:25	10/01/25 13:56	2
890-8897-22	CS-109A	Solid	09/29/25 11:30	10/01/25 13:56	2
890-8897-23	CS-110A	Solid	09/29/25 11:35	10/01/25 13:56	2
890-8897-24	CS-111A	Solid	09/29/25 11:40	10/01/25 13:56	2
890-8897-25	CS-112A	Solid	09/29/25 11:45	10/01/25 13:56	2
890-8897-26	CS-113A	Solid	09/29/25 11:50	10/01/25 13:56	2
890-8897-27	CS-114A	Solid	09/29/25 11:55	10/01/25 13:56	2
890-8897-28	CS-115A	Solid	09/29/25 12:00	10/01/25 13:56	2
890-8897-29	CS-116A	Solid	09/29/25 12:05	10/01/25 13:56	2
890-8897-30	CS-117A	Solid	09/29/25 12:10	10/01/25 13:56	2
890-8897-31	CS-118A	Solid	09/29/25 12:15	10/01/25 13:56	2
890-8897-32	CS-119A	Solid	09/29/25 12:20	10/01/25 13:56	1
890-8897-33	CS-120A	Solid	09/29/25 12:25	10/01/25 13:56	1
890-8897-34	CS-121A	Solid	09/29/25 12:30	10/01/25 13:56	1
890-8897-35	CS-122A	Solid	09/29/25 12:35	10/01/25 13:56	1
890-8897-36	CS-123A	Solid	09/29/25 12:40	10/01/25 13:56	1
890-8897-37	CS-124A	Solid	09/29/25 12:45	10/01/25 13:56	1
890-8897-38	CS-26B	Solid	09/29/25 12:50	10/01/25 13:56	4
890-8897-39	CS-27B	Solid	09/29/25 12:55	10/01/25 13:56	4
890-8897-40	CS-28B	Solid	09/29/25 13:00	10/01/25 13:56	4

Page 687 of 808

10/8/2025

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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

890-8897 Chain of Custody

Page 1 of 5

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Evan Braswell	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TN Meter
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-14.8
Total Containers:		Corrected Temperature:	-14.6

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	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-88A	S	9.29.25	9:45	3	Comp	1		X	X	X			Incident Number
CS-89A	S	9.29.25	9:50	3	Comp	1		X	X	X			nAPP2513556445
CS-90A	S	9.29.25	9:55	3	Comp	1		X	X	X			
CS-91A	S	9.29.25	10:00	3	Comp	1		X	X	X			
CS-92A	S	9.29.25	10:05	3	Comp	1		X	X	X			
CS-93A	S	9.29.25	10:10	3	Comp	1		X	X	X			
CS-94A	S	9.29.25	10:15	3	Comp	1		X	X	X			
CS-95A	S	9.29.25	10:20	3	Comp	1		X	X	X			
CS-96A	S	9.29.25	10:25	3	Comp	1		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		10/1	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 81 of 90

Received by OCD: 11/18/2025 12:30:18 PM

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Page 688 of 808

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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)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Evan Braswell	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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-97A	S	9.29.25	10:30	3	Comp	1		X	X	X			Incident Number
CS-98A	S	9.29.25	10:35	3	Comp	1		X	X	X			nAPP2513556445
CS-99A	S	9.29.25	10:40	3	Comp	1		X	X	X			
CS-100A	S	9.29.25	10:45	2	Comp	1		X	X	X			
CS-101A	S	9.29.25	10:50	2	Comp	1		X	X	X			
CS-102A	S	9.29.25	10:55	2	Comp	1		X	X	X			
CS-103A	S	9.29.25	11:00	2	Comp	1		X	X	X			
CS-104A	S	9.29.25	11:05	2	Comp	1		X	X	X			
CS-105A	S	9.29.25	11:10	2	Comp	1		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		10/1 13:9	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

Page 82 of 90

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Page 689 of 808

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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: _____

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Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Evan Braswell	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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	Sample Comments
CS-106A	S	9.29.25	11:15	2	Comp	1	X	X	X			Incident Number
CS-107A	S	9.29.25	11:20	2	Comp	1	X	X	X			nAPP2513556445
CS-108A	S	9.29.25	11:25	2	Comp	1	X	X	X			
CS-109A	S	9.29.25	11:30	2	Comp	1	X	X	X			
CS-110A	S	9.29.25	11:35	2	Comp	1	X	X	X			
CS-111A	S	9.29.25	11:40	2	Comp	1	X	X	X			
CS-112A	S	9.29.25	11:45	2	Comp	1	X	X	X			
CS-113A	S	9.29.25	11:50	2	Comp	1	X	X	X			
CS-114A	S	9.29.25	11:55	2	Comp	1	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		10/1 13:50			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 83 of 90

Received by OCD: 11/18/2025 12:30:18 PM

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Page 690 of 808

10/8/2025

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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 4 of 5

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Evan Braswell	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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	Sample Comments
CS-115A	S	9.29.25	12:00	2	Comp	1	X	X	X			Incident Number
CS-116A	S	9.29.25	12:05	2	Comp	1	X	X	X			nAPP2513556445
CS-117A	S	9.29.25	12:10	2	Comp	1	X	X	X			
CS-118A	S	9.29.25	12:15	2	Comp	1	X	X	X			
CS-119A	S	9.29.25	12:20	1	Comp	1	X	X	X			
CS-120A	S	9.29.25	12:25	1	Comp	1	X	X	X			
CS-121A	S	9.29.25	12:30	1	Comp	1	X	X	X			
CS-122A	S	9.29.25	12:35	1	Comp	1	X	X	X			
CS-123A	S	9.29.25	12:40	1	Comp	1	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			10/1 15:56			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 84 of 90

Received by OCD: 11/18/2025 12:30:18 PM

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Page 691 of 808

10/8/2025

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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 5 of 5

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Evan Braswell	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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

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	Sample Comments
CS-124A	S	9.29.25	12:45	1	Comp	1		X	X	X			Incident Number
CS-26B	S	9.29.25	12:50	4	Comp	1		X	X	X			nAPP2513556445
CS-27B	S	9.29.25	12:55	4	Comp	1		X	X	X			
CS-28B	S	9.29.25	13:00	4	Comp	1		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

Page 85 of 90

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			10/1 13:56			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 11/18/2025 12:30:18 PM

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Page 692 of 808

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: 890-5960.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 5
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8897-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 10/7/2025			Preservation Codes: -
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
CS-88A (890-8897-1)	9/29/25	09:45 Mountain	G	Solid			X	X	X	X	X	1	
CS-89A (890-8897-2)	9/29/25	09:50 Mountain	G	Solid			X	X	X	X	X	1	
CS-90A (890-8897-3)	9/29/25	09:55 Mountain	G	Solid			X	X	X	X	X	1	
CS-91A (890-8897-4)	9/29/25	10:00 Mountain	G	Solid			X	X	X	X	X	1	
CS-92A (890-8897-5)	9/29/25	10:05 Mountain	G	Solid			X	X	X	X	X	1	
CS-93A (890-8897-6)	9/29/25	10:10 Mountain	G	Solid			X	X	X	X	X	1	
CS-94A (890-8897-7)	9/29/25	10:15 Mountain	G	Solid			X	X	X	X	X	1	
CS-95A (890-8897-8)	9/29/25	10:20 Mountain	G	Solid			X	X	X	X	X	1	
CS-96A (890-8897-9)	9/29/25	10:25 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: 10/1	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/2/25 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7/2.4 -.1 TR8

Ver: 10/10/2024

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Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5960.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 3 of 5
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8897-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 10/7/2025			Preservation Codes: -
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
CS-106A (890-8897-19)	9/29/25	11:15 Mountain	G	Solid			X	X	X	X	X	1	
CS-107A (890-8897-20)	9/29/25	11:20 Mountain	G	Solid			X	X	X	X	X	1	
CS-108A (890-8897-21)	9/29/25	11:25 Mountain	G	Solid			X	X	X	X	X	1	
CS-109A (890-8897-22)	9/29/25	11:30 Mountain	G	Solid			X	X	X	X	X	1	
CS-110A (890-8897-23)	9/29/25	11:35 Mountain	G	Solid			X	X	X	X	X	1	
CS-111A (890-8897-24)	9/29/25	11:40 Mountain	G	Solid			X	X	X	X	X	1	
CS-112A (890-8897-25)	9/29/25	11:45 Mountain	G	Solid			X	X	X	X	X	1	
CS-113A (890-8897-26)	9/29/25	11:50 Mountain	G	Solid			X	X	X	X	X	1	
CS-114A (890-8897-27)	9/29/25	11:55 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
		10/1 3:47				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Page 693 of 808
Received by OCD: 11/18/2025 12:30:18 PM
10/8/2025
Page 87 of 90
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Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5960.5
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 5 of 5
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8897-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 10/7/2025			
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: Ross Draw Unit 43	Project #: 88001228			
Site: N/A	SSOW#: 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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
CS-124A (890-8897-37)	9/29/25	12:45 Mountain	G	Solid			X	X	X	X	X	1	
CS-26B (890-8897-38)	9/29/25	12:50 Mountain	G	Solid			X	X	X	X	X	1	
CS-27B (890-8897-39)	9/29/25	12:55 Mountain	G	Solid			X	X	X	X	X	1	
CS-28B (890-8897-40)	9/29/25	13:00 Mountain	G	Solid			X	X	X	X	X	1	

Analysis Requested

Preservation Codes: -

Other: N/A

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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Page 694 of 808
Received by OCD: 11/18/2025 12:30:18 PM
10/8/2025
Page 88 of 90
Released to Imaging: 1/26/2026 3:27:17 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8897-1
SDG Number: Eddy County, NM

Login Number: 8897
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: 890-8897-1
SDG Number: Eddy County, NM

Login Number: 8897
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/02/25 07:44 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/1/2025 11:23:11 AM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8867-1

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

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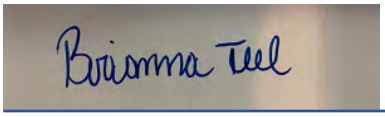
Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Laboratory Job ID: 890-8867-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 15
Lab Chronicle 18
Certification Summary 20
Method Summary 21
Sample Summary 22
Chain of Custody 23
Receipt Checklists 24

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
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: 890-8867-1
Project: Ross Draw Unit 43

Job ID: 890-8867-1 Eurofins Carlsbad

Job Narrative
890-8867-1

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 9/25/2025 10:13 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 -6.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1A (890-8867-1), SW-2A (890-8867-2), SW-3A (890-8867-3), SW-4A (890-8867-4) and SW-5A (890-8867-5).

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 samples were outside control limits: (LCS 880-119831/2-A) and (LCSD 880-119831/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-119863 and analytical batch 880-119908 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: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Client Sample ID: SW-1A

Lab Sample ID: 890-8867-1
Matrix: Solid
Date Collected: 09/24/25 09:00
Date Received: 09/25/25 10:13
Sample Depth: 0-6

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		09/26/25 08:33	09/26/25 16:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 16:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 16:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:33	09/26/25 16:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 16:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:33	09/26/25 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/26/25 08:33*	*09/26/25 16:54*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/26/25 08:33*	*09/26/25 16:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/26/25 16:54	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			10/01/25 08:53	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	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 08:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 08:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/26/25 08:37*	*10/01/25 08:53*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/26/25 08:37*	*10/01/25 08:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**	**F1**	9.92		mg/Kg			09/27/25 04:14	1

Client Sample ID: SW-2A

Lab Sample ID: 890-8867-2
Matrix: Solid
Date Collected: 09/24/25 09:05
Date Received: 09/25/25 10:13
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		09/26/25 08:33	09/26/25 17:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 17:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 17:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:33	09/26/25 17:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 17:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:33	09/26/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:33*	*09/26/25 17:15*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Client Sample ID: SW-2A

Lab Sample ID: 890-8867-2
Matrix: Solid
Date Collected: 09/24/25 09:05
Date Received: 09/25/25 10:13
Sample Depth: 0-2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/26/25 08:33*	*09/26/25 17:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/26/25 17:15	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			10/01/25 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	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 09:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 09:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/26/25 08:37	10/01/25 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/26/25 08:37*	*10/01/25 09:07*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/26/25 08:37*	*10/01/25 09:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		9.96		mg/Kg			09/27/25 04:29	1

Client Sample ID: SW-3A

Lab Sample ID: 890-8867-3
Matrix: Solid
Date Collected: 09/24/25 09:10
Date Received: 09/25/25 10:13
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		09/26/25 08:33	09/26/25 17:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 17:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 17:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/25 08:33	09/26/25 17:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 17:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/25 08:33	09/26/25 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/26/25 08:33*	*09/26/25 17:35*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:33*	*09/26/25 17:35*	*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			09/26/25 17:35	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			10/01/25 09:23	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Client Sample ID: SW-3A

Lab Sample ID: 890-8867-3
Matrix: Solid
Date Collected: 09/24/25 09:10
Date Received: 09/25/25 10:13
Sample Depth: 0-2

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		09/26/25 08:37	10/01/25 09:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 09:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/26/25 08:37*	*10/01/25 09:23*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/26/25 08:37*	*10/01/25 09:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**287**		9.98		mg/Kg			09/27/25 04:35	1

Client Sample ID: SW-4A

Lab Sample ID: 890-8867-4
Matrix: Solid
Date Collected: 09/24/25 09:15
Date Received: 09/25/25 10:13
Sample Depth: 0-2

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		09/26/25 08:33	09/26/25 19:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 19:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 19:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/26/25 08:33	09/26/25 19:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/26/25 08:33	09/26/25 19:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/26/25 08:33	09/26/25 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/26/25 08:33*	*09/26/25 19:09*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*09/26/25 08:33*	*09/26/25 19:09*	*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			09/26/25 19:09	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			10/01/25 03:09	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	<50.0	U	50.0		mg/Kg		09/26/25 16:23	10/01/25 03:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 16:23	10/01/25 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 16:23	10/01/25 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/26/25 16:23*	*10/01/25 03:09*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/26/25 16:23*	*10/01/25 03:09*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Client Sample ID: SW-4A

Lab Sample ID: 890-8867-4
Matrix: Solid
Date Collected: 09/24/25 09:15
Date Received: 09/25/25 10:13
Sample Depth: 0-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		9.94		mg/Kg			09/27/25 04:50	1

Client Sample ID: SW-5A

Lab Sample ID: 890-8867-5
Matrix: Solid
Date Collected: 09/24/25 09:20
Date Received: 09/25/25 10:13
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		09/26/25 08:33	09/26/25 19:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 19:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 19:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/26/25 08:33	09/26/25 19:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 19:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/26/25 08:33	09/26/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:33*	*09/26/25 19:30*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/26/25 08:33*	*09/26/25 19:30*	*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			09/26/25 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/01/25 03:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/26/25 16:23	10/01/25 03:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 16:23	10/01/25 03:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 16:23	10/01/25 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/26/25 16:23*	*10/01/25 03:54*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/26/25 16:23*	*10/01/25 03:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	294		9.92		mg/Kg			09/27/25 04:56	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy 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)										
890-8867-1	SW-1A	107	92										
890-8867-2	SW-2A	97	97										
890-8867-3	SW-3A	103	96										
890-8867-4	SW-4A	104	88										
890-8867-5	SW-5A	96	96										
LCS 880-119829/1-A	Lab Control Sample	101	100										
LCSD 880-119829/2-A	Lab Control Sample Dup	110	104										
MB 880-119829/5-A	Method Blank	95	92										

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)										
890-8867-1	SW-1A	87	111										
890-8867-2	SW-2A	90	115										
890-8867-3	SW-3A	88	112										
890-8867-4	SW-4A	92	93										
890-8867-4 MS	SW-4A	85	95										
890-8867-4 MSD	SW-4A	102	97										
890-8867-5	SW-5A	90	96										
LCS 880-119831/2-A	Lab Control Sample	130	148 S1+										
LCS 880-119907/2-A	Lab Control Sample	112	108										
LCSD 880-119831/3-A	Lab Control Sample Dup	129	146 S1+										
LCSD 880-119907/3-A	Lab Control Sample Dup	119	112										
MB 880-119831/1-A	Method Blank	80	102										
MB 880-119907/1-A	Method Blank	95	98										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-119829/5-A
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/26/25 08:33	09/26/25 14:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/26/25 08:33	09/26/25 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*09/26/25 08:33*	*09/26/25 14:09*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/26/25 08:33*	*09/26/25 14:09*	*1*

Lab Sample ID: LCS 880-119829/1-A
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119829

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09702		mg/Kg		97	70 - 130		
Toluene			0.100	0.09734		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.09364		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.2048		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1005		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-119829/2-A
Matrix: Solid
Analysis Batch: 119833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119829

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09336		mg/Kg		93	70 - 130	4	35
Toluene			0.100	0.09356		mg/Kg		94	70 - 130	4	35
Ethylbenzene			0.100	0.09157		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1979		mg/Kg		99	70 - 130	3	35
o-Xylene			0.100	0.09744		mg/Kg		97	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-119831/1-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119831

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		09/26/25 08:37	10/01/25 03:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 03:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 08:37	10/01/25 03:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*09/26/25 08:37*	*10/01/25 03:23*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/26/25 08:37*	*10/01/25 03:23*	*1*

Lab Sample ID: LCS 880-119831/2-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119831

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	996.5		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1201		mg/Kg		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*148*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-119831/3-A
Matrix: Solid
Analysis Batch: 120128

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119831

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1175		mg/Kg		118	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*146*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-119907/1-A
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119907

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		09/26/25 16:23	10/01/25 02:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/26/25 16:23	10/01/25 02:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/26/25 16:23	10/01/25 02:08	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-119907/1-A
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119907

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	09/26/25 16:23	10/01/25 02:08	1
o-Terphenyl	98		70 - 130	09/26/25 16:23	10/01/25 02:08	1

Lab Sample ID: LCS 880-119907/2-A
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119907

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	975.2		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	976.5		mg/Kg		98	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-119907/3-A
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119907

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1059		mg/Kg		106	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1034		mg/Kg		103	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 890-8867-4 MS
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: SW-4A
Prep Type: Total/NA
Prep Batch: 119907

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	880.6		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	866.3		mg/Kg		87	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	95		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8867-4 MSD
Matrix: Solid
Analysis Batch: 120071

Client Sample ID: SW-4A
Prep Type: Total/NA
Prep Batch: 119907

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	879.4		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	814.7		mg/Kg		81	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-119863/1-A
Matrix: Solid
Analysis Batch: 119908

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			09/27/25 02:45	1

Lab Sample ID: LCS 880-119863/2-A
Matrix: Solid
Analysis Batch: 119908

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-119863/3-A
Matrix: Solid
Analysis Batch: 119908

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	255.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-8867-1 MS
Matrix: Solid
Analysis Batch: 119908

Client Sample ID: SW-1A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	101	F1	248	379.9	F1	mg/Kg		112	90 - 110

Lab Sample ID: 890-8867-1 MSD
Matrix: Solid
Analysis Batch: 119908

Client Sample ID: SW-1A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	101	F1	248	380.5	F1	mg/Kg		113	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 119829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1	SW-1A	Total/NA	Solid	5035	
890-8867-2	SW-2A	Total/NA	Solid	5035	
890-8867-3	SW-3A	Total/NA	Solid	5035	
890-8867-4	SW-4A	Total/NA	Solid	5035	
890-8867-5	SW-5A	Total/NA	Solid	5035	
MB 880-119829/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-119829/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-119829/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 119833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1	SW-1A	Total/NA	Solid	8021B	119829
890-8867-2	SW-2A	Total/NA	Solid	8021B	119829
890-8867-3	SW-3A	Total/NA	Solid	8021B	119829
890-8867-4	SW-4A	Total/NA	Solid	8021B	119829
890-8867-5	SW-5A	Total/NA	Solid	8021B	119829
MB 880-119829/5-A	Method Blank	Total/NA	Solid	8021B	119829
LCS 880-119829/1-A	Lab Control Sample	Total/NA	Solid	8021B	119829
LCSD 880-119829/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	119829

Analysis Batch: 119965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1	SW-1A	Total/NA	Solid	Total BTEX	
890-8867-2	SW-2A	Total/NA	Solid	Total BTEX	
890-8867-3	SW-3A	Total/NA	Solid	Total BTEX	
890-8867-4	SW-4A	Total/NA	Solid	Total BTEX	
890-8867-5	SW-5A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 119831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1	SW-1A	Total/NA	Solid	8015NM Prep	
890-8867-2	SW-2A	Total/NA	Solid	8015NM Prep	
890-8867-3	SW-3A	Total/NA	Solid	8015NM Prep	
MB 880-119831/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119831/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119831/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 119907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-4	SW-4A	Total/NA	Solid	8015NM Prep	
890-8867-5	SW-5A	Total/NA	Solid	8015NM Prep	
MB 880-119907/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-119907/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-119907/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8867-4 MS	SW-4A	Total/NA	Solid	8015NM Prep	
890-8867-4 MSD	SW-4A	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 120071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-4	SW-4A	Total/NA	Solid	8015B NM	119907
890-8867-5	SW-5A	Total/NA	Solid	8015B NM	119907
MB 880-119907/1-A	Method Blank	Total/NA	Solid	8015B NM	119907
LCS 880-119907/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119907
LCSD 880-119907/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119907
890-8867-4 MS	SW-4A	Total/NA	Solid	8015B NM	119907
890-8867-4 MSD	SW-4A	Total/NA	Solid	8015B NM	119907

Analysis Batch: 120128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1	SW-1A	Total/NA	Solid	8015B NM	119831
890-8867-2	SW-2A	Total/NA	Solid	8015B NM	119831
890-8867-3	SW-3A	Total/NA	Solid	8015B NM	119831
MB 880-119831/1-A	Method Blank	Total/NA	Solid	8015B NM	119831
LCS 880-119831/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	119831
LCSD 880-119831/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	119831

Analysis Batch: 120187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1	SW-1A	Total/NA	Solid	8015 NM	
890-8867-2	SW-2A	Total/NA	Solid	8015 NM	
890-8867-3	SW-3A	Total/NA	Solid	8015 NM	
890-8867-4	SW-4A	Total/NA	Solid	8015 NM	
890-8867-5	SW-5A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 119863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1	SW-1A	Soluble	Solid	DI Leach	
890-8867-2	SW-2A	Soluble	Solid	DI Leach	
890-8867-3	SW-3A	Soluble	Solid	DI Leach	
890-8867-4	SW-4A	Soluble	Solid	DI Leach	
890-8867-5	SW-5A	Soluble	Solid	DI Leach	
MB 880-119863/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-119863/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-119863/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8867-1 MS	SW-1A	Soluble	Solid	DI Leach	
890-8867-1 MSD	SW-1A	Soluble	Solid	DI Leach	

Analysis Batch: 119908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1	SW-1A	Soluble	Solid	300.0	119863
890-8867-2	SW-2A	Soluble	Solid	300.0	119863
890-8867-3	SW-3A	Soluble	Solid	300.0	119863
890-8867-4	SW-4A	Soluble	Solid	300.0	119863
890-8867-5	SW-5A	Soluble	Solid	300.0	119863
MB 880-119863/1-A	Method Blank	Soluble	Solid	300.0	119863
LCS 880-119863/2-A	Lab Control Sample	Soluble	Solid	300.0	119863
LCSD 880-119863/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	119863
890-8867-1 MS	SW-1A	Soluble	Solid	300.0	119863

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 119908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8867-1 MSD	SW-1A	Soluble	Solid	300.0	119863

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Client Sample ID: SW-1A
Date Collected: 09/24/25 09:00
Date Received: 09/25/25 10:13

Lab Sample ID: 890-8867-1
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			5.03 g	5 mL	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 16:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119965	09/26/25 16:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			120187	10/01/25 08:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 08:53	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 04:14	CS	EET MID

Client Sample ID: SW-2A
Date Collected: 09/24/25 09:05
Date Received: 09/25/25 10:13

Lab Sample ID: 890-8867-2
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	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119965	09/26/25 17:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			120187	10/01/25 09:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 09:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 04:29	CS	EET MID

Client Sample ID: SW-3A
Date Collected: 09/24/25 09:10
Date Received: 09/25/25 10:13

Lab Sample ID: 890-8867-3
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			5.00 g	5 mL	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119965	09/26/25 17:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			120187	10/01/25 09:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119831	09/26/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120128	10/01/25 09:23	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 04:35	CS	EET MID

Client Sample ID: SW-4A
Date Collected: 09/24/25 09:15
Date Received: 09/25/25 10:13

Lab Sample ID: 890-8867-4
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	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119965	09/26/25 19:09	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Client Sample ID: SW-4A

Date Collected: 09/24/25 09:15
Date Received: 09/25/25 10:13

Lab Sample ID: 890-8867-4
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			120187	10/01/25 03:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119907	09/26/25 16:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120071	10/01/25 03:09	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 04:50	CS	EET MID

Client Sample ID: SW-5A

Date Collected: 09/24/25 09:20
Date Received: 09/25/25 10:13

Lab Sample ID: 890-8867-5
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	119829	09/26/25 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	119833	09/26/25 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			119965	09/26/25 19:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			120187	10/01/25 03:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	119907	09/26/25 16:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120071	10/01/25 03:54	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	119863	09/26/25 10:25	SA	EET MID
Soluble	Analysis	300.0		1			119908	09/27/25 04:56	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: 890-8867-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8867-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8867-1	SW-1A	Solid	09/24/25 09:00	09/25/25 10:13	0-6
890-8867-2	SW-2A	Solid	09/24/25 09:05	09/25/25 10:13	0-2
890-8867-3	SW-3A	Solid	09/24/25 09:10	09/25/25 10:13	0-2
890-8867-4	SW-4A	Solid	09/24/25 09:15	09/25/25 10:13	0-2
890-8867-5	SW-5A	Solid	09/24/25 09:20	09/25/25 10:13	0-2

Page 719 of 808

10/1/2025

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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 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ ... ☐
State of Pro
Reporting: L
Deliverables: ☐

890-8867 Chain of Custody

Project Name:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TWN007
Cooler Custody Seals:	~~Yes No N/A~~	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-7.0
Total Containers:		Corrected Temperature:	-6.8

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

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	9.24.25	9:00	0-6	Comp	1	X	X	X			Incident Number
SW-2	S	9.24.25	9:05	0-2	Comp	1	X	X	X			nAPP2513556445
SW-3	S	9.24.25	9:10	0-2	Comp	1	X	X	X			
SW-4	S	9.24.25	9:15	0-2	Comp	1	X	X	X			
SW-5	S	9.24.25	9:20	0-2	Comp	1	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		9/25 10:3	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 23 of 25

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8867-1
SDG Number: Eddy County, NM

Login Number: 8867
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: 890-8867-1
SDG Number: Eddy County, NM

Login Number: 8867
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 09/26/25 08:22 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 10/7/2025 12:38:24 PM Revision 1

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8881-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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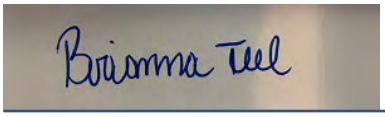
Eurofins Carlsbad

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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Revision 1

Authorized for release by
Brianna Teel, Project Manager
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Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 11
QC Sample Results 12
QC Association Summary 15
Lab Chronicle 17
Certification Summary 19
Method Summary 20
Sample Summary 21
Chain of Custody 22
Receipt Checklists 24

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
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
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: 890-8881-1
Project: Ross Draw Unit 43

Job ID: 890-8881-1 Eurofins Carlsbad

Job Narrative
890-8881-1

REVISION

The report being provided is a revision of the original report sent on 10/3/2025. The report (revision 1) is being revised due to Revised to add depths to report.

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 9/29/2025 10:50 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 -0.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-6A (890-8881-1), SW-7A (890-8881-2), SW-8A (890-8881-3), SW-9A (890-8881-4), SW-10A (890-8881-5) and SW-11A (890-8881-6).

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: (LCSD 880-120045/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Client Sample ID: SW-6A

Date Collected: 09/26/25 09:00
Date Received: 09/29/25 10:50
Sample Depth: 0-3

Lab Sample ID: 890-8881-1
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		09/30/25 08:19	09/30/25 16:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/30/25 08:19	09/30/25 16:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/30/25 08:19	09/30/25 16:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/30/25 08:19	09/30/25 16:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/30/25 08:19	09/30/25 16:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/30/25 08:19	09/30/25 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/30/25 08:19*	*09/30/25 16:20*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/30/25 08:19*	*09/30/25 16:20*	*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			09/30/25 16:20	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			10/02/25 12:47	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	<50.0	U	50.0		mg/Kg		09/30/25 08:00	10/02/25 12:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/25 08:00	10/02/25 12:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/25 08:00	10/02/25 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*09/30/25 08:00*	*10/02/25 12:47*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/30/25 08:00*	*10/02/25 12:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**178**		10.0		mg/Kg			09/30/25 23:25	1

Client Sample ID: SW-7A

Date Collected: 09/26/25 09:05
Date Received: 09/29/25 10:50
Sample Depth: 0-3

Lab Sample ID: 890-8881-2
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		09/30/25 08:19	09/30/25 16:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/30/25 08:19	09/30/25 16:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/30/25 08:19	09/30/25 16:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/30/25 08:19	09/30/25 16:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/30/25 08:19	09/30/25 16:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/30/25 08:19	09/30/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/30/25 08:19*	*09/30/25 16:40*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Client Sample ID: SW-7A
Date Collected: 09/26/25 09:05
Date Received: 09/29/25 10:50
Sample Depth: 0-3

Lab Sample ID: 890-8881-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/25 08:19*	*09/30/25 16:40*	*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			09/30/25 16:40	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			10/02/25 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/30/25 08:00	10/02/25 13:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/25 08:00	10/02/25 13:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/25 08:00	10/02/25 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/30/25 08:00*	*10/02/25 13:02*	*1*
o-Terphenyl	*122*		*70 - 130*	*09/30/25 08:00*	*10/02/25 13:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**163**		10.1		mg/Kg			09/30/25 23:30	1

Client Sample ID: SW-8A
Date Collected: 09/26/25 09:10
Date Received: 09/29/25 10:50
Sample Depth: 0-4

Lab Sample ID: 890-8881-3
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		09/30/25 08:19	09/30/25 18:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 18:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 18:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/25 08:19	09/30/25 18:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 18:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/25 08:19	09/30/25 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/30/25 08:19*	*09/30/25 18:14*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/30/25 08:19*	*09/30/25 18:14*	*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			09/30/25 18:14	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			10/02/25 13:17	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Client Sample ID: SW-8A

Date Collected: 09/26/25 09:10
Date Received: 09/29/25 10:50
Sample Depth: 0-4

Lab Sample ID: 890-8881-3
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		09/30/25 08:00	10/02/25 13:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/25 08:00	10/02/25 13:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/25 08:00	10/02/25 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*09/30/25 08:00*	*10/02/25 13:17*	*1*
o-Terphenyl	*130*		*70 - 130*	*09/30/25 08:00*	*10/02/25 13:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		10.1		mg/Kg			09/30/25 23:35	1

Client Sample ID: SW-9A

Date Collected: 09/26/25 09:15
Date Received: 09/29/25 10:50
Sample Depth: 0-4

Lab Sample ID: 890-8881-4
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		09/30/25 08:19	09/30/25 18:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/25 08:19	09/30/25 18:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/25 08:19	09/30/25 18:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/30/25 08:19	09/30/25 18:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/25 08:19	09/30/25 18:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/30/25 08:19	09/30/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/30/25 08:19*	*09/30/25 18:35*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*09/30/25 08:19*	*09/30/25 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/30/25 18:35	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			10/02/25 13:32	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		09/30/25 08:00	10/02/25 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/25 08:00	10/02/25 13:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/25 08:00	10/02/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/30/25 08:00*	*10/02/25 13:32*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/30/25 08:00*	*10/02/25 13:32*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Client Sample ID: SW-9A
Date Collected: 09/26/25 09:15
Date Received: 09/29/25 10:50
Sample Depth: 0-4

Lab Sample ID: 890-8881-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		10.1		mg/Kg			09/30/25 23:41	1

Client Sample ID: SW-10A
Date Collected: 09/26/25 09:20
Date Received: 09/29/25 10:50
Sample Depth: 0-4

Lab Sample ID: 890-8881-5
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		09/30/25 08:19	09/30/25 18:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 18:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 18:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/25 08:19	09/30/25 18:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 18:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/25 08:19	09/30/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/30/25 08:19*	*09/30/25 18:55*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/30/25 08:19*	*09/30/25 18:55*	*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			09/30/25 18:55	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			10/02/25 13:48	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	<49.9	U	49.9		mg/Kg		09/30/25 08:00	10/02/25 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/25 08:00	10/02/25 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/25 08:00	10/02/25 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/30/25 08:00*	*10/02/25 13:48*	*1*
o-Terphenyl	*125*		*70 - 130*	*09/30/25 08:00*	*10/02/25 13:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		9.92		mg/Kg			09/30/25 23:56	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Client Sample ID: SW-11A

Date Collected: 09/26/25 09:25
Date Received: 09/29/25 10:50
Sample Depth: 0-4

Lab Sample ID: 890-8881-6

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		09/30/25 08:19	09/30/25 19:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 19:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 19:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/25 08:19	09/30/25 19:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/25 08:19	09/30/25 19:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/25 08:19	09/30/25 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/30/25 08:19*	*09/30/25 19:16*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/30/25 08:19*	*09/30/25 19:16*	*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			09/30/25 19:16	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			10/02/25 14:03	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		09/30/25 08:00	10/02/25 14:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/25 08:00	10/02/25 14:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/25 08:00	10/02/25 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/30/25 08:00*	*10/02/25 14:03*	*1*
o-Terphenyl	*128*		*70 - 130*	*09/30/25 08:00*	*10/02/25 14:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.9**		2.00		mg/Kg			10/01/25 00:02	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy 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)
890-8881-1	SW-6A	101	100
890-8881-2	SW-7A	94	102
890-8881-3	SW-8A	121	107
890-8881-4	SW-9A	93	122
890-8881-5	SW-10A	96	100
890-8881-6	SW-11A	98	98
LCS 880-120050/1-A	Lab Control Sample	104	98
LCSD 880-120050/2-A	Lab Control Sample Dup	90	104
MB 880-120050/5-A	Method Blank	103	96

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)
890-8881-1	SW-6A	108	120
890-8881-2	SW-7A	102	122
890-8881-3	SW-8A	111	130
890-8881-4	SW-9A	92	111
890-8881-5	SW-10A	110	125
890-8881-6	SW-11A	112	128
LCS 880-120045/2-A	Lab Control Sample	108	118
LCSD 880-120045/3-A	Lab Control Sample Dup	118	139 S1+
MB 880-120045/1-A	Method Blank	102	116

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120050/5-A
Matrix: Solid
Analysis Batch: 120055

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/25 08:19	09/30/25 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/25 08:19	09/30/25 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/25 08:19	09/30/25 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/25 08:19	09/30/25 11:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/25 08:19	09/30/25 11:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/25 08:19	09/30/25 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/30/25 08:19*	*09/30/25 11:38*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/30/25 08:19*	*09/30/25 11:38*	*1*

Lab Sample ID: LCS 880-120050/1-A
Matrix: Solid
Analysis Batch: 120055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120050

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07501		mg/Kg		75	70 - 130		
Toluene			0.100	0.08320		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.09407		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1941		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09732		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-120050/2-A
Matrix: Solid
Analysis Batch: 120055

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120050

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07966		mg/Kg		80	70 - 130	6	35
Toluene			0.100	0.08132		mg/Kg		81	70 - 130	2	35
Ethylbenzene			0.100	0.08790		mg/Kg		88	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1769		mg/Kg		88	70 - 130	9	35
o-Xylene			0.100	0.08777		mg/Kg		88	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-120045/1-A
Matrix: Solid
Analysis Batch: 120308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120045

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		09/30/25 07:59	10/02/25 08:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/25 07:59	10/02/25 08:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/25 07:59	10/02/25 08:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/30/25 07:59*	*10/02/25 08:30*	*1*
o-Terphenyl	*116*		*70 - 130*	*09/30/25 07:59*	*10/02/25 08:30*	*1*

Lab Sample ID: LCS 880-120045/2-A
Matrix: Solid
Analysis Batch: 120308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	918.5		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	878.2		mg/Kg		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Lab Sample ID: LCSD 880-120045/3-A
Matrix: Solid
Analysis Batch: 120308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120045

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	989.2		mg/Kg		99	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1026		mg/Kg		103	70 - 130	16	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*139*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120103/1-A
Matrix: Solid
Analysis Batch: 120124

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			09/30/25 22:54	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-120103/2-A
Matrix: Solid
Analysis Batch: 120124

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	252.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-120103/3-A
Matrix: Solid
Analysis Batch: 120124

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	253.5		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 120050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-1	SW-6A	Total/NA	Solid	5035	
890-8881-2	SW-7A	Total/NA	Solid	5035	
890-8881-3	SW-8A	Total/NA	Solid	5035	
890-8881-4	SW-9A	Total/NA	Solid	5035	
890-8881-5	SW-10A	Total/NA	Solid	5035	
890-8881-6	SW-11A	Total/NA	Solid	5035	
MB 880-120050/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120050/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120050/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 120055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-1	SW-6A	Total/NA	Solid	8021B	120050
890-8881-2	SW-7A	Total/NA	Solid	8021B	120050
890-8881-3	SW-8A	Total/NA	Solid	8021B	120050
890-8881-4	SW-9A	Total/NA	Solid	8021B	120050
890-8881-5	SW-10A	Total/NA	Solid	8021B	120050
890-8881-6	SW-11A	Total/NA	Solid	8021B	120050
MB 880-120050/5-A	Method Blank	Total/NA	Solid	8021B	120050
LCS 880-120050/1-A	Lab Control Sample	Total/NA	Solid	8021B	120050
LCSD 880-120050/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120050

Analysis Batch: 120133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-1	SW-6A	Total/NA	Solid	Total BTEX	
890-8881-2	SW-7A	Total/NA	Solid	Total BTEX	
890-8881-3	SW-8A	Total/NA	Solid	Total BTEX	
890-8881-4	SW-9A	Total/NA	Solid	Total BTEX	
890-8881-5	SW-10A	Total/NA	Solid	Total BTEX	
890-8881-6	SW-11A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 120045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-1	SW-6A	Total/NA	Solid	8015NM Prep	
890-8881-2	SW-7A	Total/NA	Solid	8015NM Prep	
890-8881-3	SW-8A	Total/NA	Solid	8015NM Prep	
890-8881-4	SW-9A	Total/NA	Solid	8015NM Prep	
890-8881-5	SW-10A	Total/NA	Solid	8015NM Prep	
890-8881-6	SW-11A	Total/NA	Solid	8015NM Prep	
MB 880-120045/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120045/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120045/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-1	SW-6A	Total/NA	Solid	8015B NM	120045
890-8881-2	SW-7A	Total/NA	Solid	8015B NM	120045
890-8881-3	SW-8A	Total/NA	Solid	8015B NM	120045
890-8881-4	SW-9A	Total/NA	Solid	8015B NM	120045

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 120308 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-5	SW-10A	Total/NA	Solid	8015B NM	120045
890-8881-6	SW-11A	Total/NA	Solid	8015B NM	120045
MB 880-120045/1-A	Method Blank	Total/NA	Solid	8015B NM	120045
LCS 880-120045/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120045
LCSD 880-120045/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120045

Analysis Batch: 120443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-1	SW-6A	Total/NA	Solid	8015 NM	
890-8881-2	SW-7A	Total/NA	Solid	8015 NM	
890-8881-3	SW-8A	Total/NA	Solid	8015 NM	
890-8881-4	SW-9A	Total/NA	Solid	8015 NM	
890-8881-5	SW-10A	Total/NA	Solid	8015 NM	
890-8881-6	SW-11A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 120103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-1	SW-6A	Soluble	Solid	DI Leach	
890-8881-2	SW-7A	Soluble	Solid	DI Leach	
890-8881-3	SW-8A	Soluble	Solid	DI Leach	
890-8881-4	SW-9A	Soluble	Solid	DI Leach	
890-8881-5	SW-10A	Soluble	Solid	DI Leach	
890-8881-6	SW-11A	Soluble	Solid	DI Leach	
MB 880-120103/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120103/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120103/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 120124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8881-1	SW-6A	Soluble	Solid	300.0	120103
890-8881-2	SW-7A	Soluble	Solid	300.0	120103
890-8881-3	SW-8A	Soluble	Solid	300.0	120103
890-8881-4	SW-9A	Soluble	Solid	300.0	120103
890-8881-5	SW-10A	Soluble	Solid	300.0	120103
890-8881-6	SW-11A	Soluble	Solid	300.0	120103
MB 880-120103/1-A	Method Blank	Soluble	Solid	300.0	120103
LCS 880-120103/2-A	Lab Control Sample	Soluble	Solid	300.0	120103
LCSD 880-120103/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120103

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Client Sample ID: SW-6A
Date Collected: 09/26/25 09:00
Date Received: 09/29/25 10:50

Lab Sample ID: 890-8881-1
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			4.96 g	5 mL	120050	09/30/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120055	09/30/25 16:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120133	09/30/25 16:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			120443	10/02/25 12:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120045	09/30/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120308	10/02/25 12:47	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	120103	09/30/25 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	120124	09/30/25 23:25	CS	EET MID

Client Sample ID: SW-7A
Date Collected: 09/26/25 09:05
Date Received: 09/29/25 10:50

Lab Sample ID: 890-8881-2
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			4.95 g	5 mL	120050	09/30/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120055	09/30/25 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120133	09/30/25 16:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			120443	10/02/25 13:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120045	09/30/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120308	10/02/25 13:02	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120103	09/30/25 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	120124	09/30/25 23:30	CS	EET MID

Client Sample ID: SW-8A
Date Collected: 09/26/25 09:10
Date Received: 09/29/25 10:50

Lab Sample ID: 890-8881-3
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	120050	09/30/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120055	09/30/25 18:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120133	09/30/25 18:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			120443	10/02/25 13:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120045	09/30/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120308	10/02/25 13:17	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	120103	09/30/25 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	120124	09/30/25 23:35	CS	EET MID

Client Sample ID: SW-9A
Date Collected: 09/26/25 09:15
Date Received: 09/29/25 10:50

Lab Sample ID: 890-8881-4
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			4.99 g	5 mL	120050	09/30/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120055	09/30/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120133	09/30/25 18:35	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Client Sample ID: SW-9A
Date Collected: 09/26/25 09:15
Date Received: 09/29/25 10:50

Lab Sample ID: 890-8881-4
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			120443	10/02/25 13:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120045	09/30/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120308	10/02/25 13:32	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120103	09/30/25 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	120124	09/30/25 23:41	CS	EET MID

Client Sample ID: SW-10A
Date Collected: 09/26/25 09:20
Date Received: 09/29/25 10:50

Lab Sample ID: 890-8881-5
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			5.02 g	5 mL	120050	09/30/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120055	09/30/25 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120133	09/30/25 18:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			120443	10/02/25 13:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120045	09/30/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120308	10/02/25 13:48	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	120103	09/30/25 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	120124	09/30/25 23:56	CS	EET MID

Client Sample ID: SW-11A
Date Collected: 09/26/25 09:25
Date Received: 09/29/25 10:50

Lab Sample ID: 890-8881-6
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	120050	09/30/25 08:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120055	09/30/25 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120133	09/30/25 19:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			120443	10/02/25 14:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	120045	09/30/25 08:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120308	10/02/25 14:03	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	10 mL	120103	09/30/25 11:30	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	120124	10/01/25 00:02	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: 890-8881-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8881-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8881-1	SW-6A	Solid	09/26/25 09:00	09/29/25 10:50	0-3
890-8881-2	SW-7A	Solid	09/26/25 09:05	09/29/25 10:50	0-3
890-8881-3	SW-8A	Solid	09/26/25 09:10	09/29/25 10:50	0-4
890-8881-4	SW-9A	Solid	09/26/25 09:15	09/29/25 10:50	0-4
890-8881-5	SW-10A	Solid	09/26/25 09:20	09/29/25 10:50	0-4
890-8881-6	SW-11A	Solid	09/26/25 09:25	09/29/25 10:50	0-4

Page 743 of 808

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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

10/7/2025 (Rev. 1)

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

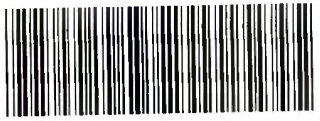
Work Order Comments

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:	Ross Draw Unit 43	**Turn Around**	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Evan Braswell	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

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:	-1.0	
Total Containers:		Corrected Temperature:	-0.8	

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

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-6A	S	9.26.25	9:00	0-3	Comp	1		X	X	X			Incident Number
SW-7A	S	9.26.25	9:05	0-3	Comp	1		X	X	X			nAPP2513556445
SW-8A	S	9.26.25	9:10	0-4	Comp	1		X	X	X			
SW-9A	S	9.26.25	9:15	0-4	Comp	1		X	X	X			
SW-10A	S	9.26.25	9:20	0-4	Comp	1		X	X	X			
SW-11A	S	9.26.25	9:25	0-4	Comp	1		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 Gabriel	Brun	9/29 10:50	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 22 of 25

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Page 744 of 808

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: 890-5947.1
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 #: 890-8881-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 10/3/2025			Preservation Codes: -
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: ROSS DRAW UNIT 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW - 6 A (890-8881-1)	9/26/25	09:00 Mountain	G	Solid			X	X	X	X	X	1	
SW - 7 A (890-8881-2)	9/26/25	09:05 Mountain	G	Solid			X	X	X	X	X	1	
SW - 8 A (890-8881-3)	9/26/25	09:10 Mountain	G	Solid			X	X	X	X	X	1	
SW - 9 A (890-8881-4)	9/26/25	09:15 Mountain	G	Solid			X	X	X	X	X	1	
SW - 10 A (890-8881-5)	9/26/25	09:20 Mountain	G	Solid			X	X	X	X	X	1	
SW - 11 A (890-8881-6)	9/26/25	09:25 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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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
	[signature]	9/29 1630		[signature]		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				[signature]	9/30/25 800	
	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: 2.9

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8881-1
SDG Number: Eddy County, NM

Login Number: 8881
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: 890-8881-1
SDG Number: Eddy County, NM

Login Number: 8881
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 09/30/25 07:35 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 10/8/2025 5:13:09 PM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8898-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 11/20/2025 3:27:17 PM

my EOL

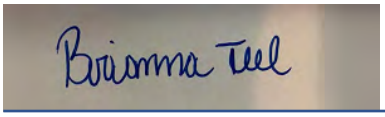
Eurofins Carlsbad

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
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(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Laboratory Job ID: 890-8898-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 14
QC Sample Results 15
QC Association Summary 19
Lab Chronicle 22
Certification Summary 25
Method Summary 26
Sample Summary 27
Chain of Custody 28
Receipt Checklists 30

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Qualifiers

GC 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.

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
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: 890-8898-1
Project: Ross Draw Unit 43

Job ID: 890-8898-1 Eurofins Carlsbad

Job Narrative
890-8898-1

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 10/1/2025 1:56 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 -14.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW-12A (890-8898-1), SW-13A (890-8898-2), SW-14A (890-8898-3), SW-15A (890-8898-4), SW-16A (890-8898-5), SW-17A (890-8898-6), SW-18A (890-8898-7), SW-34B (890-8898-8) and SW-35B (890-8898-9).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-17A (890-8898-6) and SW-35B (890-8898-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-120300 and analytical batch 880-120402 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.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120300 and analytical batch 880-120402 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120408 and analytical batch 880-120402 was outside the upper control 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 samples were outside control limits: (LCS 880-120272/2-A) and (LCSD 880-120272/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-12A

Lab Sample ID: 890-8898-1
Matrix: Solid
Date Collected: 09/29/25 09:00
Date Received: 10/01/25 13:56
Sample Depth: 0-3

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		10/02/25 09:51	10/04/25 01:52	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		10/02/25 09:51	10/04/25 01:52	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		10/02/25 09:51	10/04/25 01:52	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		10/02/25 09:51	10/04/25 01:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 09:51	10/04/25 01:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 09:51	10/04/25 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/02/25 09:51*	*10/04/25 01:52*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/02/25 09:51*	*10/04/25 01:52*	*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			10/04/25 01:52	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			10/07/25 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 13:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 13:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/02/25 08:40*	*10/07/25 13:31*	*1*
o-Terphenyl	*129*		*70 - 130*	*10/02/25 08:40*	*10/07/25 13:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**318**		10.0		mg/Kg			10/03/25 00:15	1

Client Sample ID: SW-13A

Lab Sample ID: 890-8898-2
Matrix: Solid
Date Collected: 09/29/25 09:05
Date Received: 10/01/25 13:56
Sample Depth: 0-3

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		10/02/25 09:51	10/04/25 02:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/02/25 09:51	10/04/25 02:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/02/25 09:51	10/04/25 02:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/02/25 09:51	10/04/25 02:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/02/25 09:51	10/04/25 02:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/02/25 09:51	10/04/25 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/02/25 09:51*	*10/04/25 02:13*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-13A

Lab Sample ID: 890-8898-2
Matrix: Solid
Date Collected: 09/29/25 09:05
Date Received: 10/01/25 13:56
Sample Depth: 0-3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/02/25 09:51*	*10/04/25 02:13*	*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			10/04/25 02:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/07/25 13:46	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		10/02/25 08:40	10/07/25 13:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 13:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/02/25 08:40*	*10/07/25 13:46*	*1*
o-Terphenyl	*125*		*70 - 130*	*10/02/25 08:40*	*10/07/25 13:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		10.0		mg/Kg			10/02/25 22:57	1

Client Sample ID: SW-14A

Lab Sample ID: 890-8898-3
Matrix: Solid
Date Collected: 09/29/25 09:10
Date Received: 10/01/25 13:56
Sample Depth: 0-3

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		10/02/25 09:51	10/04/25 02:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 02:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 02:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 09:51	10/04/25 02:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 02:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 09:51	10/04/25 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/02/25 09:51*	*10/04/25 02:33*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/02/25 09:51*	*10/04/25 02:33*	*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			10/04/25 02:33	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			10/07/25 14:01	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-14A

Lab Sample ID: 890-8898-3
Matrix: Solid
Date Collected: 09/29/25 09:10
Date Received: 10/01/25 13:56
Sample Depth: 0-3

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		10/02/25 08:40	10/07/25 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 14:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/02/25 08:40*	*10/07/25 14:01*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/02/25 08:40*	*10/07/25 14:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		10.1		mg/Kg			10/02/25 23:12	1

Client Sample ID: SW-15A

Lab Sample ID: 890-8898-4
Matrix: Solid
Date Collected: 09/29/25 09:15
Date Received: 10/01/25 13:56
Sample Depth: 0-2

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		10/02/25 09:51	10/04/25 02:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/02/25 09:51	10/04/25 02:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/02/25 09:51	10/04/25 02:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/02/25 09:51	10/04/25 02:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/02/25 09:51	10/04/25 02:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/02/25 09:51	10/04/25 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/02/25 09:51*	*10/04/25 02:54*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/02/25 09:51*	*10/04/25 02:54*	*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			10/04/25 02:54	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			10/07/25 14:16	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	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 14:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 14:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/02/25 08:40*	*10/07/25 14:16*	*1*
o-Terphenyl	*125*		*70 - 130*	*10/02/25 08:40*	*10/07/25 14:16*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-15A
Lab Sample ID: 890-8898-4

Date Collected: 09/29/25 09:15
Matrix: Solid
Date Received: 10/01/25 13:56
Sample Depth: 0-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		9.90		mg/Kg			10/02/25 23:18	1

Client Sample ID: SW-16A
Lab Sample ID: 890-8898-5

Date Collected: 09/29/25 09:20
Matrix: Solid
Date Received: 10/01/25 13:56
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		10/02/25 09:51	10/04/25 03:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 03:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 03:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/02/25 09:51	10/04/25 03:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 03:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/02/25 09:51	10/04/25 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*10/02/25 09:51*	*10/04/25 03:14*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/02/25 09:51*	*10/04/25 03:14*	*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			10/04/25 03:14	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			10/07/25 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 14:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 14:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*10/02/25 08:40*	*10/07/25 14:31*	*1*
o-Terphenyl	*122*		*70 - 130*	*10/02/25 08:40*	*10/07/25 14:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		10.1		mg/Kg			10/02/25 23:23	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-17A

Lab Sample ID: 890-8898-6
Matrix: Solid
Date Collected: 09/29/25 09:25
Date Received: 10/01/25 13:56
Sample Depth: 0-1

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		10/02/25 09:51	10/04/25 03:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/02/25 09:51	10/04/25 03:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/02/25 09:51	10/04/25 03:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/02/25 09:51	10/04/25 03:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/02/25 09:51	10/04/25 03:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/02/25 09:51	10/04/25 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*10/02/25 09:51*	*10/04/25 03:35*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*10/02/25 09:51*	*10/04/25 03:35*	*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			10/04/25 03:35	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			10/07/25 14:47	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	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 14:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 14:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/02/25 08:40*	*10/07/25 14:47*	*1*
o-Terphenyl	*122*		*70 - 130*	*10/02/25 08:40*	*10/07/25 14:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		10.1		mg/Kg			10/02/25 23:28	1

Client Sample ID: SW-18A

Lab Sample ID: 890-8898-7
Matrix: Solid
Date Collected: 09/29/25 09:30
Date Received: 10/01/25 13:56
Sample Depth: 0-1

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		10/02/25 09:51	10/04/25 03:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 03:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 03:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/02/25 09:51	10/04/25 03:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 03:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/02/25 09:51	10/04/25 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/02/25 09:51*	*10/04/25 03:55*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-18A

Lab Sample ID: 890-8898-7
Matrix: Solid
Date Collected: 09/29/25 09:30
Date Received: 10/01/25 13:56
Sample Depth: 0-1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/02/25 09:51*	*10/04/25 03:55*	*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			10/04/25 03:55	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			10/07/25 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/02/25 08:40	10/07/25 15:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 08:40	10/07/25 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 08:40	10/07/25 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/02/25 08:40*	*10/07/25 15:02*	*1*
o-Terphenyl	*121*		*70 - 130*	*10/02/25 08:40*	*10/07/25 15:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		9.96		mg/Kg			10/02/25 23:33	1

Client Sample ID: SW-34B

Lab Sample ID: 890-8898-8
Matrix: Solid
Date Collected: 09/29/25 09:35
Date Received: 10/01/25 13:56
Sample Depth: 0-4

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		10/02/25 09:51	10/04/25 04:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/02/25 09:51	10/04/25 04:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/02/25 09:51	10/04/25 04:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/02/25 09:51	10/04/25 04:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/02/25 09:51	10/04/25 04:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/02/25 09:51	10/04/25 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/02/25 09:51*	*10/04/25 04:16*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/02/25 09:51*	*10/04/25 04:16*	*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			10/04/25 04:16	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			10/07/25 15:17	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-34B

Lab Sample ID: 890-8898-8
Matrix: Solid
Date Collected: 09/29/25 09:35
Date Received: 10/01/25 13:56
Sample Depth: 0-4

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	<49.8	U	49.8		mg/Kg		10/02/25 08:40	10/07/25 15:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/02/25 08:40	10/07/25 15:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/02/25 08:40	10/07/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/02/25 08:40*	*10/07/25 15:17*	*1*
o-Terphenyl	*124*		*70 - 130*	*10/02/25 08:40*	*10/07/25 15:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.0**		9.94		mg/Kg			10/02/25 23:38	1

Client Sample ID: SW-35B

Lab Sample ID: 890-8898-9
Matrix: Solid
Date Collected: 09/29/25 09:40
Date Received: 10/01/25 13:56
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		10/02/25 09:51	10/04/25 04:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/02/25 09:51	10/04/25 04:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/02/25 09:51	10/04/25 04:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/02/25 09:51	10/04/25 04:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/02/25 09:51	10/04/25 04:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/02/25 09:51	10/04/25 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*10/02/25 09:51*	*10/04/25 04:36*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/02/25 09:51*	*10/04/25 04:36*	*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			10/04/25 04:36	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			10/07/25 15:46	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	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 15:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 15:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/02/25 08:40	10/07/25 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*10/02/25 08:40*	*10/07/25 15:46*	*1*
o-Terphenyl	*127*		*70 - 130*	*10/02/25 08:40*	*10/07/25 15:46*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-35B
Date Collected: 09/29/25 09:40
Date Received: 10/01/25 13:56
Sample Depth: 0-4

Lab Sample ID: 890-8898-9
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		10.1		mg/Kg			10/02/25 23:44	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy 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)
890-8898-1	SW-12A	106	108
890-8898-1 MS	SW-12A	99	96
890-8898-1 MSD	SW-12A	97	104
890-8898-2	SW-13A	121	109
890-8898-3	SW-14A	114	111
890-8898-4	SW-15A	118	107
890-8898-5	SW-16A	129	106
890-8898-6	SW-17A	133 S1+	116
890-8898-7	SW-18A	113	111
890-8898-8	SW-34B	113	107
890-8898-9	SW-35B	159 S1+	115
LCS 880-120300/1-A	Lab Control Sample	102	101
LCSD 880-120300/2-A	Lab Control Sample Dup	95	96
MB 880-120300/5-A	Method Blank	190 S1+	106
MB 880-120408/5-A	Method Blank	192 S1+	105

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)
890-8898-1	SW-12A	116	129
890-8898-2	SW-13A	110	125
890-8898-3	SW-14A	102	115
890-8898-4	SW-15A	108	125
890-8898-5	SW-16A	106	122
890-8898-6	SW-17A	104	122
890-8898-7	SW-18A	107	121
890-8898-8	SW-34B	107	124
890-8898-9	SW-35B	112	127
LCS 880-120272/2-A	Lab Control Sample	119	157 S1+
LCSD 880-120272/3-A	Lab Control Sample Dup	116	138 S1+
MB 880-120272/1-A	Method Blank	110	123

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120300/5-A
Matrix: Solid
Analysis Batch: 120402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 01:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 01:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 01:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/02/25 09:51	10/04/25 01:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/02/25 09:51	10/04/25 01:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/02/25 09:51	10/04/25 01:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*190*	*S1+*	*70 - 130*	*10/02/25 09:51*	*10/04/25 01:24*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/02/25 09:51*	*10/04/25 01:24*	*1*

Lab Sample ID: LCS 880-120300/1-A
Matrix: Solid
Analysis Batch: 120402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120300

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1064		mg/Kg		106	70 - 130		
Toluene			0.100	0.09166		mg/Kg		92	70 - 130		
Ethylbenzene			0.100	0.08598		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1972		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.1063		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-120300/2-A
Matrix: Solid
Analysis Batch: 120402

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120300

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09893		mg/Kg		99	70 - 130	7	35
Toluene			0.100	0.09032		mg/Kg		90	70 - 130	1	35
Ethylbenzene			0.100	0.08586		mg/Kg		86	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1834		mg/Kg		92	70 - 130	7	35
o-Xylene			0.100	0.09801		mg/Kg		98	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-8898-1 MS
Matrix: Solid
Analysis Batch: 120402

Client Sample ID: SW-12A
Prep Type: Total/NA
Prep Batch: 120300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.08559		mg/Kg		86	70 - 130		
Toluene	<0.00199	U F1	0.100	0.07107		mg/Kg		71	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8898-1 MS
Matrix: Solid
Analysis Batch: 120402

Client Sample ID: SW-12A
Prep Type: Total/NA
Prep Batch: 120300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.100	0.06661	F1	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1410		mg/Kg		71	70 - 130
o-Xylene	<0.00199	U	0.100	0.07979		mg/Kg		80	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-8898-1 MSD
Matrix: Solid
Analysis Batch: 120402

Client Sample ID: SW-12A
Prep Type: Total/NA
Prep Batch: 120300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.07892		mg/Kg		79	70 - 130	8	35
Toluene	<0.00199	U F1	0.100	0.06521	F1	mg/Kg		65	70 - 130	9	35
Ethylbenzene	<0.00199	U F1	0.100	0.06176	F1	mg/Kg		62	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1365	F1	mg/Kg		68	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.07276		mg/Kg		73	70 - 130	9	35

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

Lab Sample ID: MB 880-120408/5-A
Matrix: Solid
Analysis Batch: 120402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/25 09:11	10/03/25 13:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/25 09:11	10/03/25 13:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/25 09:11	10/03/25 13:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/25 09:11	10/03/25 13:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/25 09:11	10/03/25 13:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/25 09:11	10/03/25 13:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*192*	*S1+*	*70 - 130*	*10/03/25 09:11*	*10/03/25 13:05*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/03/25 09:11*	*10/03/25 13:05*	*1*

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

Lab Sample ID: MB 880-120272/1-A
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120272

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		10/02/25 08:40	10/07/25 09:29	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-120272/1-A
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120272

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		10/02/25 08:40	10/07/25 09:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 09:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/02/25 08:40	10/07/25 09:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/02/25 08:40*	*10/07/25 09:29*	*1*
o-Terphenyl	*123*		*70 - 130*	*10/02/25 08:40*	*10/07/25 09:29*	*1*

Lab Sample ID: LCS 880-120272/2-A
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120272

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1242		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1265		mg/Kg		127	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*157*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-120272/3-A
Matrix: Solid
Analysis Batch: 120640

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120272

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1249		mg/Kg		125	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1166		mg/Kg		117	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*138*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120266/1-A
Matrix: Solid
Analysis Batch: 120385

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			10/02/25 20:43	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-120266/2-A
Matrix: Solid
Analysis Batch: 120385

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.3		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-120266/3-A
Matrix: Solid
Analysis Batch: 120385

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	247.3		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-120268/1-A
Matrix: Solid
Analysis Batch: 120386

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			10/02/25 21:07	1

Lab Sample ID: LCS 880-120268/2-A
Matrix: Solid
Analysis Batch: 120386

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-120268/3-A
Matrix: Solid
Analysis Batch: 120386

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	245.5		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 120300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-1	SW-12A	Total/NA	Solid	5035	
890-8898-2	SW-13A	Total/NA	Solid	5035	
890-8898-3	SW-14A	Total/NA	Solid	5035	
890-8898-4	SW-15A	Total/NA	Solid	5035	
890-8898-5	SW-16A	Total/NA	Solid	5035	
890-8898-6	SW-17A	Total/NA	Solid	5035	
890-8898-7	SW-18A	Total/NA	Solid	5035	
890-8898-8	SW-34B	Total/NA	Solid	5035	
890-8898-9	SW-35B	Total/NA	Solid	5035	
MB 880-120300/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120300/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120300/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8898-1 MS	SW-12A	Total/NA	Solid	5035	
890-8898-1 MSD	SW-12A	Total/NA	Solid	5035	

Analysis Batch: 120402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-1	SW-12A	Total/NA	Solid	8021B	120300
890-8898-2	SW-13A	Total/NA	Solid	8021B	120300
890-8898-3	SW-14A	Total/NA	Solid	8021B	120300
890-8898-4	SW-15A	Total/NA	Solid	8021B	120300
890-8898-5	SW-16A	Total/NA	Solid	8021B	120300
890-8898-6	SW-17A	Total/NA	Solid	8021B	120300
890-8898-7	SW-18A	Total/NA	Solid	8021B	120300
890-8898-8	SW-34B	Total/NA	Solid	8021B	120300
890-8898-9	SW-35B	Total/NA	Solid	8021B	120300
MB 880-120300/5-A	Method Blank	Total/NA	Solid	8021B	120300
MB 880-120408/5-A	Method Blank	Total/NA	Solid	8021B	120408
LCS 880-120300/1-A	Lab Control Sample	Total/NA	Solid	8021B	120300
LCSD 880-120300/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120300
890-8898-1 MS	SW-12A	Total/NA	Solid	8021B	120300
890-8898-1 MSD	SW-12A	Total/NA	Solid	8021B	120300

Prep Batch: 120408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-120408/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 120548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-1	SW-12A	Total/NA	Solid	Total BTEX	
890-8898-2	SW-13A	Total/NA	Solid	Total BTEX	
890-8898-3	SW-14A	Total/NA	Solid	Total BTEX	
890-8898-4	SW-15A	Total/NA	Solid	Total BTEX	
890-8898-5	SW-16A	Total/NA	Solid	Total BTEX	
890-8898-6	SW-17A	Total/NA	Solid	Total BTEX	
890-8898-7	SW-18A	Total/NA	Solid	Total BTEX	
890-8898-8	SW-34B	Total/NA	Solid	Total BTEX	
890-8898-9	SW-35B	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

GC Semi VOA

Prep Batch: 120272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-1	SW-12A	Total/NA	Solid	8015NM Prep	
890-8898-2	SW-13A	Total/NA	Solid	8015NM Prep	
890-8898-3	SW-14A	Total/NA	Solid	8015NM Prep	
890-8898-4	SW-15A	Total/NA	Solid	8015NM Prep	
890-8898-5	SW-16A	Total/NA	Solid	8015NM Prep	
890-8898-6	SW-17A	Total/NA	Solid	8015NM Prep	
890-8898-7	SW-18A	Total/NA	Solid	8015NM Prep	
890-8898-8	SW-34B	Total/NA	Solid	8015NM Prep	
890-8898-9	SW-35B	Total/NA	Solid	8015NM Prep	
MB 880-120272/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-120272/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-120272/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 120640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-1	SW-12A	Total/NA	Solid	8015B NM	120272
890-8898-2	SW-13A	Total/NA	Solid	8015B NM	120272
890-8898-3	SW-14A	Total/NA	Solid	8015B NM	120272
890-8898-4	SW-15A	Total/NA	Solid	8015B NM	120272
890-8898-5	SW-16A	Total/NA	Solid	8015B NM	120272
890-8898-6	SW-17A	Total/NA	Solid	8015B NM	120272
890-8898-7	SW-18A	Total/NA	Solid	8015B NM	120272
890-8898-8	SW-34B	Total/NA	Solid	8015B NM	120272
890-8898-9	SW-35B	Total/NA	Solid	8015B NM	120272
MB 880-120272/1-A	Method Blank	Total/NA	Solid	8015B NM	120272
LCS 880-120272/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	120272
LCSD 880-120272/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	120272

Analysis Batch: 120770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-1	SW-12A	Total/NA	Solid	8015 NM	
890-8898-2	SW-13A	Total/NA	Solid	8015 NM	
890-8898-3	SW-14A	Total/NA	Solid	8015 NM	
890-8898-4	SW-15A	Total/NA	Solid	8015 NM	
890-8898-5	SW-16A	Total/NA	Solid	8015 NM	
890-8898-6	SW-17A	Total/NA	Solid	8015 NM	
890-8898-7	SW-18A	Total/NA	Solid	8015 NM	
890-8898-8	SW-34B	Total/NA	Solid	8015 NM	
890-8898-9	SW-35B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 120266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-1	SW-12A	Soluble	Solid	DI Leach	
MB 880-120266/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120266/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120266/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

HPLC/IC

Leach Batch: 120268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-2	SW-13A	Soluble	Solid	DI Leach	
890-8898-3	SW-14A	Soluble	Solid	DI Leach	
890-8898-4	SW-15A	Soluble	Solid	DI Leach	
890-8898-5	SW-16A	Soluble	Solid	DI Leach	
890-8898-6	SW-17A	Soluble	Solid	DI Leach	
890-8898-7	SW-18A	Soluble	Solid	DI Leach	
890-8898-8	SW-34B	Soluble	Solid	DI Leach	
890-8898-9	SW-35B	Soluble	Solid	DI Leach	
MB 880-120268/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120268/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120268/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 120385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-1	SW-12A	Soluble	Solid	300.0	120266
MB 880-120266/1-A	Method Blank	Soluble	Solid	300.0	120266
LCS 880-120266/2-A	Lab Control Sample	Soluble	Solid	300.0	120266
LCSD 880-120266/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120266

Analysis Batch: 120386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8898-2	SW-13A	Soluble	Solid	300.0	120268
890-8898-3	SW-14A	Soluble	Solid	300.0	120268
890-8898-4	SW-15A	Soluble	Solid	300.0	120268
890-8898-5	SW-16A	Soluble	Solid	300.0	120268
890-8898-6	SW-17A	Soluble	Solid	300.0	120268
890-8898-7	SW-18A	Soluble	Solid	300.0	120268
890-8898-8	SW-34B	Soluble	Solid	300.0	120268
890-8898-9	SW-35B	Soluble	Solid	300.0	120268
MB 880-120268/1-A	Method Blank	Soluble	Solid	300.0	120268
LCS 880-120268/2-A	Lab Control Sample	Soluble	Solid	300.0	120268
LCSD 880-120268/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120268

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-12A
Date Collected: 09/29/25 09:00
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-1
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			5.02 g	5 mL	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 01:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			120770	10/07/25 13:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 13:31	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	120266	10/02/25 08:28	SI	EET MID
Soluble	Analysis	300.0		1			120385	10/03/25 00:15	CS	EET MID

Client Sample ID: SW-13A
Date Collected: 09/29/25 09:05
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-2
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			4.96 g	5 mL	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 02:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 02:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			120770	10/07/25 13:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 13:46	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 22:57	CS	EET MID

Client Sample ID: SW-14A
Date Collected: 09/29/25 09:10
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-3
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			5.01 g	5 mL	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 02:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			120770	10/07/25 14:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 14:01	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 23:12	CS	EET MID

Client Sample ID: SW-15A
Date Collected: 09/29/25 09:15
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-4
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			4.95 g	5 mL	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 02:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 02:54	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-15A
Date Collected: 09/29/25 09:15
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-4
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			120770	10/07/25 14:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 14:16	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 23:18	CS	EET MID

Client Sample ID: SW-16A
Date Collected: 09/29/25 09:20
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-5
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			4.99 g	5 mL	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 03:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			120770	10/07/25 14:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 14:31	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 23:23	CS	EET MID

Client Sample ID: SW-17A
Date Collected: 09/29/25 09:25
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-6
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	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 03:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 03:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			120770	10/07/25 14:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 14:47	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 23:28	CS	EET MID

Client Sample ID: SW-18A
Date Collected: 09/29/25 09:30
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-7
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			5.01 g	5 mL	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 03:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			120770	10/07/25 15:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 15:02	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Client Sample ID: SW-18A

Date Collected: 09/29/25 09:30
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-7

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			5.02 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 23:33	CS	EET MID

Client Sample ID: SW-34B

Date Collected: 09/29/25 09:35
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-8

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	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 04:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 04:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			120770	10/07/25 15:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 15:17	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 23:38	CS	EET MID

Client Sample ID: SW-35B

Date Collected: 09/29/25 09:40
Date Received: 10/01/25 13:56

Lab Sample ID: 890-8898-9

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			4.97 g	5 mL	120300	10/02/25 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120402	10/04/25 04:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			120548	10/04/25 04:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			120770	10/07/25 15:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	120272	10/02/25 08:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	120640	10/07/25 15:46	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120268	10/02/25 08:30	SI	EET MID
Soluble	Analysis	300.0		1			120386	10/02/25 23:44	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: 890-8898-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8898-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8898-1	SW-12A	Solid	09/29/25 09:00	10/01/25 13:56	0-3
890-8898-2	SW-13A	Solid	09/29/25 09:05	10/01/25 13:56	0-3
890-8898-3	SW-14A	Solid	09/29/25 09:10	10/01/25 13:56	0-3
890-8898-4	SW-15A	Solid	09/29/25 09:15	10/01/25 13:56	0-2
890-8898-5	SW-16A	Solid	09/29/25 09:20	10/01/25 13:56	0-2
890-8898-6	SW-17A	Solid	09/29/25 09:25	10/01/25 13:56	0-1
890-8898-7	SW-18A	Solid	09/29/25 09:30	10/01/25 13:56	0-1
890-8898-8	SW-34B	Solid	09/29/25 09:35	10/01/25 13:56	0-4
890-8898-9	SW-35B	Solid	09/29/25 09:40	10/01/25 13:56	0-4

Page 774 of 808

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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

890-8898 Chain of Custody

10/8/2025

www.xenco.com Page 1 of 1

Project Manager:	Gilbert Moreno	Bill to: (if different)	Jim Raley
Company Name:	Earth Systems R&R	Company Name:	Devon Energy
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@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:	Ross Draw Unit 43	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron, Evan Braswell	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:	21587615		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	IR#7	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-14.8	
Total Containers:		Corrected Temperature:	-14.6	

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	Sample Comments
SW-12A	S	9.29.25	9:00	0-3	Comp	1	X	X	X			Incident Number
SW-13A	S	9.29.25	9:05	0-3	Comp	1	X	X	X			nAPP2513556445
SW-14A	S	9.29.25	9:10	0-3	Comp	1	X	X	X			
SW-15A	S	9.29.25	9:15	0-2	Comp	1	X	X	X			
SW-16A	S	9.29.25	9:20	0-2	Comp	1	X	X	X			
SW-17A	S	9.29.25	9:25	0-1	Comp	1	X	X	X			
SW-18A	S	9.29.25	9:30	0-1	Comp	1	X	X	X			
SW-34B	S	9.29.25	9:35	0-4	Comp	1	X	X	X			
SW-35B	S	9.29.25	9:40	0-4	Comp	1	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		17.50 10/1	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Page 28 of 31

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Page 775 of 808

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: 890-5960.1
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 #: 890-8898-1
Address: 1211 W. Florida Ave,	Due Date Requested: 10/7/2025			Preservation Codes: -
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: Ross draw unit 43	Project #: 88001228			
Site: N/A	SSOW#: N/A			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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACH/Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-12A (890-8898-1)	9/29/25	09:00 Mountain	G	Solid			X	X	X	X	X	1	
SW-13A (890-8898-2)	9/29/25	09:05 Mountain	G	Solid			X	X	X	X	X	1	
SW-14A (890-8898-3)	9/29/25	09:10 Mountain	G	Solid			X	X	X	X	X	1	
SW-15A (890-8898-4)	9/29/25	09:15 Mountain	G	Solid			X	X	X	X	X	1	
SW-16A (890-8898-5)	9/29/25	09:20 Mountain	G	Solid			X	X	X	X	X	1	
SW-17A (890-8898-6)	9/29/25	09:25 Mountain	G	Solid			X	X	X	X	X	1	
SW-18A (890-8898-7)	9/29/25	09:30 Mountain	G	Solid			X	X	X	X	X	1	
SW-34B (890-8898-8)	9/29/25	09:35 Mountain	G	Solid			X	X	X	X	X	1	
SW-35B (890-8898-9)	9/29/25	09:40 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: 10/1 3:47	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/2/25 800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7/2.6 -.1 TAC

Ver: 10/10/2024

Received by OCD: 11/18/2025 12:30:18 PM

Released to Imaging: 1/26/2026 3:27:17 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8898-1
SDG Number: Eddy County, NM

Login Number: 8898
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: 890-8898-1
SDG Number: Eddy County, NM

Login Number: 8898
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/02/25 07:44 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 10/15/2025 10:17:51 AM

JOB DESCRIPTION

Ross Draw Unit 43
Eddy County, NM

JOB NUMBER

890-8924-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 1/20/2026 3:27:17 PM

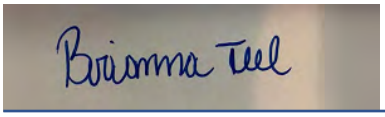
Eurofins Carlsbad

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
10/15/2025 10:17:51 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: Ross Draw Unit 43

Laboratory Job ID: 890-8924-1
SDG: Eddy County, NM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Client Sample Results 6
Surrogate Summary 9
QC Sample Results 10
QC Association Summary 14
Lab Chronicle 16
Certification Summary 17
Method Summary 18
Sample Summary 19
Chain of Custody 20
Receipt Checklists 22

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy 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
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: 890-8924-1
Project: Ross Draw Unit 43

Job ID: 890-8924-1 Eurofins Carlsbad

Job Narrative
890-8924-1

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 10/9/2025 11:12 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 0.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 68A (890-8924-1), CS - 69A (890-8924-2) and CS - 105A (890-8924-3).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120985 and analytical batch 880-120895 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-120409 and analytical batch 880-120895 was outside the upper control limits.

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: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

Client Sample ID: CS - 68A

Lab Sample ID: 890-8924-1
Matrix: Solid
Date Collected: 10/09/25 09:00
Date Received: 10/09/25 11:12
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		10/10/25 10:23	10/10/25 15:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/25 10:23	10/10/25 15:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/25 10:23	10/10/25 15:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/10/25 10:23	10/10/25 15:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/25 10:23	10/10/25 15:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/25 10:23	10/10/25 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*10/10/25 10:23*	*10/10/25 15:44*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/10/25 10:23*	*10/10/25 15:44*	*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			10/10/25 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**84.7**		49.9		mg/Kg			10/14/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/25 16:49	10/14/25 23:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/25 16:49	10/14/25 23:20	1
Oil Range Organics (Over C28-C36)	**84.7**		49.9		mg/Kg		10/10/25 16:49	10/14/25 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/10/25 16:49*	*10/14/25 23:20*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/10/25 16:49*	*10/14/25 23:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		10.0		mg/Kg			10/10/25 14:07	1

Client Sample ID: CS - 69A

Lab Sample ID: 890-8924-2
Matrix: Solid
Date Collected: 10/09/25 09:05
Date Received: 10/09/25 11:12
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		10/10/25 10:23	10/10/25 16:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/25 10:23	10/10/25 16:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/25 10:23	10/10/25 16:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/10/25 10:23	10/10/25 16:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/25 10:23	10/10/25 16:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/25 10:23	10/10/25 16:04	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

Client Sample ID: CS - 69A

Lab Sample ID: 890-8924-2
Matrix: Solid
Date Collected: 10/09/25 09:05
Date Received: 10/09/25 11:12
Sample Depth: 6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/10/25 10:23*	*10/10/25 16:04*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/10/25 10:23*	*10/10/25 16:04*	*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			10/10/25 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**70.9**		50.0		mg/Kg			10/14/25 23:35	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		10/10/25 16:49	10/14/25 23:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/25 16:49	10/14/25 23:35	1
Oil Range Organics (Over C28-C36)	**70.9**		50.0		mg/Kg		10/10/25 16:49	10/14/25 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*10/10/25 16:49*	*10/14/25 23:35*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/10/25 16:49*	*10/14/25 23:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**231**		10.1		mg/Kg			10/10/25 14:12	1

Client Sample ID: CS - 105A

Lab Sample ID: 890-8924-3
Matrix: Solid
Date Collected: 10/09/25 09:10
Date Received: 10/09/25 11:12
Sample Depth: 3

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		10/10/25 14:54	10/11/25 04:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/10/25 14:54	10/11/25 04:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/10/25 14:54	10/11/25 04:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/10/25 14:54	10/11/25 04:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/10/25 14:54	10/11/25 04:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/10/25 14:54	10/11/25 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*10/10/25 14:54*	*10/11/25 04:17*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/10/25 14:54*	*10/11/25 04:17*	*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			10/11/25 04:17	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

Client Sample ID: CS - 105A

Date Collected: 10/09/25 09:10
Date Received: 10/09/25 11:12
Sample Depth: 3

Lab Sample ID: 890-8924-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**66.4**		49.9		mg/Kg			10/14/25 23:49	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	<49.9	U	49.9		mg/Kg		10/10/25 16:49	10/14/25 23:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/25 16:49	10/14/25 23:49	1
Oil Range Organics (Over C28-C36)	**66.4**		49.9		mg/Kg		10/10/25 16:49	10/14/25 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*10/10/25 16:49*	*10/14/25 23:49*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/10/25 16:49*	*10/14/25 23:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**337**		9.94		mg/Kg			10/10/25 14:17	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy 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)
890-8924-1	CS - 68A	91	100
890-8924-2	CS - 69A	104	108
890-8924-3	CS - 105A	129	83
LCS 880-120929/1-A	Lab Control Sample	101	105
LCS 880-120985/1-A	Lab Control Sample	118	83
LCSD 880-120929/2-A	Lab Control Sample Dup	92	107
LCSD 880-120985/2-A	Lab Control Sample Dup	123	84
MB 880-120409/5-A	Method Blank	136 S1+	83
MB 880-120929/5-A	Method Blank	95	101
MB 880-120985/5-A	Method Blank	133 S1+	81

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)
890-8924-1	CS - 68A	81	101
890-8924-2	CS - 69A	75	93
890-8924-3	CS - 105A	78	97
LCS 880-121007/2-A	Lab Control Sample	96	105
LCSD 880-121007/3-A	Lab Control Sample Dup	96	105
MB 880-121007/1-A	Method Blank	79	98

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-120409/5-A
Matrix: Solid
Analysis Batch: 120895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/09/25 09:38	10/10/25 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/09/25 09:38	10/10/25 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*10/09/25 09:38*	*10/10/25 11:39*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/09/25 09:38*	*10/10/25 11:39*	*1*

Lab Sample ID: MB 880-120929/5-A
Matrix: Solid
Analysis Batch: 120894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/25 10:23	10/10/25 11:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/10/25 10:23	10/10/25 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/10/25 10:23*	*10/10/25 11:36*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/10/25 10:23*	*10/10/25 11:36*	*1*

Lab Sample ID: LCS 880-120929/1-A
Matrix: Solid
Analysis Batch: 120894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1154		mg/Kg		115	70 - 130
Toluene	0.100	0.08994		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08994		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1826		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09136		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-120929/2-A
Matrix: Solid
Analysis Batch: 120894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120929

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1289		mg/Kg		129	70 - 130	11	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-120929/2-A
Matrix: Solid
Analysis Batch: 120894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120929

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09575		mg/Kg		96	70 - 130	6	35
Ethylbenzene			0.100	0.09491		mg/Kg		95	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1870		mg/Kg		93	70 - 130	2	35
o-Xylene			0.100	0.09167		mg/Kg		92	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-120985/5-A
Matrix: Solid
Analysis Batch: 120895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/10/25 14:54	10/10/25 22:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/10/25 14:54	10/10/25 22:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/10/25 14:54	10/10/25 22:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/10/25 14:54	10/10/25 22:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/10/25 14:54	10/10/25 22:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/10/25 14:54	10/10/25 22:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*10/10/25 14:54*	*10/10/25 22:36*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*10/10/25 14:54*	*10/10/25 22:36*	*1*

Lab Sample ID: LCS 880-120985/1-A
Matrix: Solid
Analysis Batch: 120895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120985

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.09534		mg/Kg		95	70 - 130
Toluene			0.100	0.09355		mg/Kg		94	70 - 130
Ethylbenzene			0.100	0.09923		mg/Kg		99	70 - 130
m-Xylene & p-Xylene			0.200	0.2027		mg/Kg		101	70 - 130
o-Xylene			0.100	0.1029		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: LCSD 880-120985/2-A
Matrix: Solid
Analysis Batch: 120895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120985

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09170		mg/Kg		92	70 - 130	4	35
Toluene			0.100	0.09278		mg/Kg		93	70 - 130	1	35
Ethylbenzene			0.100	0.09479		mg/Kg		95	70 - 130	5	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-120985/2-A
Matrix: Solid
Analysis Batch: 120895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120985

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.1926		mg/Kg		96	70 - 130	5	35
o-Xylene			0.100	0.09871		mg/Kg		99	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

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

Lab Sample ID: MB 880-121007/1-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121007

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		10/10/25 16:49	10/14/25 17:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/25 16:49	10/14/25 17:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/25 16:49	10/14/25 17:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*10/10/25 16:49*	*10/14/25 17:50*	*1*
o-Terphenyl	*98*		*70 - 130*	*10/10/25 16:49*	*10/14/25 17:50*	*1*

Lab Sample ID: LCS 880-121007/2-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121007

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	880.5		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1007		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-121007/3-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121007

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	872.4		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	972.2		mg/Kg		97	70 - 130	3	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-121007/3-A
Matrix: Solid
Analysis Batch: 121068

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121007

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	105		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-120900/1-A
Matrix: Solid
Analysis Batch: 120928

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			10/10/25 12:48	1

Lab Sample ID: LCS 880-120900/2-A
Matrix: Solid
Analysis Batch: 120928

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	256.9		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-120900/3-A
Matrix: Solid
Analysis Batch: 120928

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	258.3		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-8924-3 MS
Matrix: Solid
Analysis Batch: 120928

Client Sample ID: CS - 105A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	337		249	601.0		mg/Kg		106	90 - 110		

Lab Sample ID: 890-8924-3 MSD
Matrix: Solid
Analysis Batch: 120928

Client Sample ID: CS - 105A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	337		249	600.4		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 120409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-120409/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 120894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-1	CS - 68A	Total/NA	Solid	8021B	120929
890-8924-2	CS - 69A	Total/NA	Solid	8021B	120929
MB 880-120929/5-A	Method Blank	Total/NA	Solid	8021B	120929
LCS 880-120929/1-A	Lab Control Sample	Total/NA	Solid	8021B	120929
LCSD 880-120929/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120929

Analysis Batch: 120895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-3	CS - 105A	Total/NA	Solid	8021B	120985
MB 880-120409/5-A	Method Blank	Total/NA	Solid	8021B	120409
MB 880-120985/5-A	Method Blank	Total/NA	Solid	8021B	120985
LCS 880-120985/1-A	Lab Control Sample	Total/NA	Solid	8021B	120985
LCSD 880-120985/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	120985

Prep Batch: 120929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-1	CS - 68A	Total/NA	Solid	5035	
890-8924-2	CS - 69A	Total/NA	Solid	5035	
MB 880-120929/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120929/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120929/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 120985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-3	CS - 105A	Total/NA	Solid	5035	
MB 880-120985/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-120985/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-120985/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 121059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-1	CS - 68A	Total/NA	Solid	Total BTEX	
890-8924-2	CS - 69A	Total/NA	Solid	Total BTEX	
890-8924-3	CS - 105A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 121007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-1	CS - 68A	Total/NA	Solid	8015NM Prep	
890-8924-2	CS - 69A	Total/NA	Solid	8015NM Prep	
890-8924-3	CS - 105A	Total/NA	Solid	8015NM Prep	
MB 880-121007/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121007/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121007/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 121068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-1	CS - 68A	Total/NA	Solid	8015B NM	121007
890-8924-2	CS - 69A	Total/NA	Solid	8015B NM	121007
890-8924-3	CS - 105A	Total/NA	Solid	8015B NM	121007
MB 880-121007/1-A	Method Blank	Total/NA	Solid	8015B NM	121007
LCS 880-121007/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121007
LCSD 880-121007/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121007

Analysis Batch: 121227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-1	CS - 68A	Total/NA	Solid	8015 NM	
890-8924-2	CS - 69A	Total/NA	Solid	8015 NM	
890-8924-3	CS - 105A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 120900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-1	CS - 68A	Soluble	Solid	DI Leach	
890-8924-2	CS - 69A	Soluble	Solid	DI Leach	
890-8924-3	CS - 105A	Soluble	Solid	DI Leach	
MB 880-120900/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-120900/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-120900/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8924-3 MS	CS - 105A	Soluble	Solid	DI Leach	
890-8924-3 MSD	CS - 105A	Soluble	Solid	DI Leach	

Analysis Batch: 120928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8924-1	CS - 68A	Soluble	Solid	300.0	120900
890-8924-2	CS - 69A	Soluble	Solid	300.0	120900
890-8924-3	CS - 105A	Soluble	Solid	300.0	120900
MB 880-120900/1-A	Method Blank	Soluble	Solid	300.0	120900
LCS 880-120900/2-A	Lab Control Sample	Soluble	Solid	300.0	120900
LCSD 880-120900/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	120900
890-8924-3 MS	CS - 105A	Soluble	Solid	300.0	120900
890-8924-3 MSD	CS - 105A	Soluble	Solid	300.0	120900

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

Client Sample ID: CS - 68A

Date Collected: 10/09/25 09:00
Date Received: 10/09/25 11:12

Lab Sample ID: 890-8924-1
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			4.98 g	5 mL	120929	10/10/25 10:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120894	10/10/25 15:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			121059	10/10/25 15:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			121227	10/14/25 23:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	121007	10/10/25 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121068	10/14/25 23:20	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	120900	10/10/25 08:44	SA	EET MID
Soluble	Analysis	300.0		1			120928	10/10/25 14:07	CS	EET MID

Client Sample ID: CS - 69A

Date Collected: 10/09/25 09:05
Date Received: 10/09/25 11:12

Lab Sample ID: 890-8924-2
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			4.97 g	5 mL	120929	10/10/25 10:23	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120894	10/10/25 16:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			121059	10/10/25 16:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			121227	10/14/25 23:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	121007	10/10/25 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121068	10/14/25 23:35	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	120900	10/10/25 08:44	SA	EET MID
Soluble	Analysis	300.0		1			120928	10/10/25 14:12	CS	EET MID

Client Sample ID: CS - 105A

Date Collected: 10/09/25 09:10
Date Received: 10/09/25 11:12

Lab Sample ID: 890-8924-3
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	120985	10/10/25 14:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	120895	10/11/25 04:17	EL	EET MID
Total/NA	Analysis	Total BTEX		1			121059	10/11/25 04:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			121227	10/14/25 23:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121007	10/10/25 16:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121068	10/14/25 23:49	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	120900	10/10/25 08:44	SA	EET MID
Soluble	Analysis	300.0		1			120928	10/10/25 14:17	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: 890-8924-1
Project/Site: Ross Draw Unit 43
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy 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: Ross Draw Unit 43

Job ID: 890-8924-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8924-1	CS - 68A	Solid	10/09/25 09:00	10/09/25 11:12	6
890-8924-2	CS - 69A	Solid	10/09/25 09:05	10/09/25 11:12	6
890-8924-3	CS - 105A	Solid	10/09/25 09:10	10/09/25 11:12	3

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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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)	JEAN RALEY
Company Name:	EARTH SYSTEMS R&R	Company Name:	DEVON ENERGY
Address:	1910 RESOURCE CT	Address:	
City, State ZIP:	CARLSBAD, NM, 88220	City, State ZIP:	
Phone:	232-541-7719	Email:	gmoreno@earthsys.net

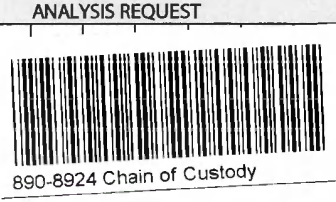
Work Order Comments

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:	ROSS DRAW UNIT 13	Turn Around	
Project Number:	422	☑ Routine ☐ Rush	
Project Location:	EDDY COUNTY, NM	Due Date:	ROUTINE TAT
Sampler's Name:	SANTIAGO GERON	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	21587618		

SAMPLE RECEIPT			
Temp Blank:	Yes / No	Wet Ice:	Yes / No
Samples Received Intact:	Yes / No	Thermometer ID:	TNM001
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.8
Total Containers:		Corrected Temperature:	0.6

ANALYSIS REQUEST



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	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH - NM	Chloride - NM	BTEX - NM	Sample Comments
CS-68A	S	10.4.25	9:00	6	COMP	1		X	X	X	INCIDENT NUMBER
CS-69A	S	↓	9:05	6	↓	1		↓	↓	↓	nAPP2513556445
CS-105A	S	↓	9:10	3	↓	1		↓	↓	↓	

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 TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $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		10/9 11:12			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 1/26/2026 3:27:17 PM
Received by OCD: 11/18/2025 12:30:18 PM

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: 890-5981.1
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 #: 890-8924-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 10/15/2025			
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: Ross Draw Unit 43	Project #: 88001228			
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)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
CS - 68A (890-8924-1)	10/9/25	09:00 Mountain	C	Solid			X	X	X	X	X	1	
CS - 69A (890-8924-2)	10/9/25	09:05 Mountain	G	Solid			X	X	X	X	X	1	
CS - 105A (890-8924-3)	10/9/25	09:10 Mountain	C	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
1		10/9 1630				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/10/25	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2/2.1 -.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8924-1
SDG Number: Eddy County, NM

Login Number: 8924
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: 890-8924-1
SDG Number: Eddy County, NM

Login Number: 8924
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 10/10/25 10:17 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 527035

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 527035
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2513556445**
Incident Name	**NAPP2513556445 ROSS DRAW UNIT #043 @ 30-015-42017**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-42017] ROSS DRAW UNIT #043**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ROSS DRAW UNIT #043
Date Release Discovered	05/14/2025
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Producing Well | Crude Oil | Released: 3 BBL | Recovered: 2 BBL | Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure | Producing Well | Produced Water | Released: 50 BBL | Recovered: 40 BBL | Lost: 10 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)	1" nipple on wellhead broke at threads allowing fluids to be released to pad surface and small amount off pad.

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QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 527035
	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	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 11/17/2025

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QUESTIONS (continued)

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	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	Attached Document
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 1 and 5 (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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 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)	23600
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	12300
GRO+DRO	(EPA SW-846 Method 8015M)	12300
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		09/19/2025
On what date will (or did) the final sampling or liner inspection occur		10/09/2025
On what date will (or was) the remediation complete(d)		10/21/2025
What is the estimated surface area (in square feet) that will be reclaimed		30400
What is the estimated volume (in cubic yards) that will be reclaimed		5004
What is the estimated surface area (in square feet) that will be remediated		30400
What is the estimated volume (in cubic yards) that will be remediated		5004
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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QUESTIONS (continued)

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	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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 11/17/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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QUESTIONS

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

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**512750**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**10/09/2025**
What was the (estimated) number of samples that were to be gathered	**2**
What was the sampling surface area in square feet	**400**

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	30400
What was the total volume (cubic yards) remediated	5004
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	30400
What was the total volume (in cubic yards) reclaimed	5004
Summarize any additional remediation activities not included by answers (above)	Site Remediated

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 11/17/2025

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QUESTIONS (continued)

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QUESTIONS

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

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	1/26/2026