



September 3, 2026

New Mexico Oil Conservation Division

506 W. Texas Ave
Artesia, NM 88210

RE: Right Meow 31 CTB 7 - Closure Request Report

Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609

GPS: 32.265538°, -103.710866°

Lea County, New Mexico

ESRR Project No. VP-7221, VP-9259, VP-9953

To Whom It May Concern:

Earth Systems Response and Restoration (ESRR), presents the following Closure Request Report (CRR) which details excavation activities and subsequent soil sampling events associated with three overlapping inadvertent produced water releases at the Right Meow 31 CTB 7 (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Devon is requesting No Further Action (NFA) at the Site.

Site Location

The Site is located in Unit B, Section 31, Township 23 South, Range 32 East, in Lea County, New Mexico (32.265538°, -103.710866°) 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 Descriptions & Timeline of Events

Incident Number nAPP2525125732, nAPP2606434775, nAPP2613145609

- **September 7, 2025** - A pinhole leak developed on a 3-phase separator, causing the release of approximately 9 barrels (bbls) of produced water onto a Devon operated production pad.
- **September 8, 2025** - Devon gave notice to the New Mexico Oil Conservation Division (NMOCD) by Notification of Release (NOR) and was subsequently assigned Incident Number **nAPP2525125732**.
- **September 9, 2025** - Devon submitted a Corrective Action Form C-141 (Form C-141), approved the same day by NMOCD.
- **November 5, 2025** - Devon submitted a 48-hour Notification of Liner Inspection (Form C-141L) for an inspection scheduled for November 7, 2025. Following completion of the liner inspection, ESRR determined that a miscommunication regarding the Area of Concern (AOC) had occurred, which voided the need for the passing liner inspection.
- **December 8, 2026** - ESRR conducted site assessment activities, mapping the observed release footprint, hereafter referred to as the AOC#1 (**Figure 2**). ESRR, on behalf of Devon, requested an extension of the December 8, 2025 deadline, to allow additional time to complete delineation and remediation activities. Devon was granted a 90-day extension by the NMOCD for March 9, 2026, for Incident Number **nAPP2525125732**.

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



- **March 4, 2026** - A ball valve developed a leak, causing the release of approximately 65 bbls to the production pad surface. A vacuum truck was immediately dispatched to the Site and recovered 40 bbls of fluids.
- **March 5, 2026** - ESRR conducted initial site assessment activities and mapped the observed release footprint hereafter referred to as the AOC#2 (**Figure 2**). Devon gave notice to the NMOCD by NOR and was subsequently assigned Incident Number **nAPP2606434775**.
- **March 10, 2026** - ESRR, on behalf of Devon, requested an extension of the March 9, 2026 deadline for Incident Number **nAPP2525125732**, to allow additional time to complete remediation activities. Devon was granted a 90-day extension by the NMOCD for June 8, 2026.
- **March 16, 2026** - Devon submitted a Form C-141 for Incident Number **nAPP2606434775**, approved by the NMOCD on the same day.
- **May 11, 2026** - A pinhole leak developed on a dump line, causing the release of approximately 5 bbls to the production pad surface in which no fluids were recovered. Devon gave notice to the NMOCD by NOR and was subsequently assigned Incident Number **nAPP2613145609**.
- **May 12, 2026** - ESRR conducted initial site assessment activities and mapped the observed release footprint hereafter referred to as the AOC#3 (**Figure 2**).
- **May 14, 2026** - Devon submitted a Form C-141 for Incident Number **nAPP2613145609**, approved by the NMOCD on the same day.
- **June 2, 2026** - ESRR, on behalf of Devon, requested an extension of the March 9, 2026 deadline for Incident Number **nAPP2606434775**, to allow additional time to complete remediation activities. Devon was granted a 30-day extension by the NMOCD for July 8, 2026.
- **June 8, 2026** - ESRR, on behalf of Devon, requested a final extension of the June 8, 2026 deadline for Incident Number **nAPP2525125732**, to allow additional time to complete remediation activities. Devon was denied a 30-day extension by the NMOCD on June 8, 2026 due to the following:

"The extension request is denied. Due to the two previous extension request approvals, a third cannot be granted."

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:

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

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



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

Based on the results from the desktop review, DTW is estimated to be greater than 50 feet below ground surface (bgs). The following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria [‡]
Chloride	10,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	2,500 mg/kg
TPH GRO) + TPH (DRO)	1,000 mg/kg
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) ...	50 mg/kg

[‡]The reclamation concentration requirements of 600 mg/kg Chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

TPH= Gasoline Range Organics (GRO) + Diesel Range Organics (DRO) + Oil Range Organics (ORO)

Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Delineation Activities

Incident Number nAPP2525125732

During December 2025 and May 2026, ESRR conducted delineation activities to assess the presence or absence of soil impacts associated with AOC#1. Eleven delineation soil sample locations (HA-1 through HA-11) were advanced via hand auger within and surrounding the AOC until vertical delineation was achieved and/or refusal was met. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips and for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID). A minimum of one soil sample was collected from each delineation soil sample location, representing the highest observed field screening concentrations, and/or the greatest depth. Delineation soil samples were placed directly into lab-provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs.

Laboratory analytical results for delineation soil samples (HA-2, HA-3, and HA-5 through HA-11) within and surrounding the AOC were compliant with the Site Closure Criteria and/or the Reclamation Standard defining the horizontal periphery of the AOC.

Laboratory analytical results for delineation soil sample locations (HA-1 and HA-4) collected within the AOC, indicated chloride exceeded the Site Closure Criteria. Elevated chloride is characterized by concentrations ranging from 10,400 to 10,800 mg/kg.

Incident Number nAPP2606434775

On March 18, 2026, ESRR conducted delineation activities to assess the presence or absence of soil impacts associated with the AOC#2. Sixteen delineation soil sample locations (HA-1 through HA-16) were advanced via hand auger and field screened as previously described. A minimum of two soil samples were collected from each delineation soil sample location. The delineation soil samples were collected, handled, transported, and analyzed as previously described.

Laboratory analytical results for all delineation soil samples (HA-1 through HA-16) within and surrounding the AOC were compliant with the Site Closure Criteria and/or the Reclamation Standard defining the horizontal and vertical periphery of the AOC.

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



Incident Number nAPP2613145609

On May 18, 2026, ESRR conducted initial delineation activities to assess the presence or absence of soil impacts associated with the AOC. Three delineation soil sample locations (HA-1 through HA-3) were advanced via hand auger and field screened as previously described. A minimum of two soil samples were collected from each delineation soil sample location. The delineation soil samples were collected, handled, transported, and analyzed as described in the previous incidents.

Laboratory analytical results for all delineation soil samples (HA-1 through HA-3) within and surrounding the AOC were compliant with the Site Closure Criteria and/or the Reclamation Standard, defining the horizontal and vertical periphery of the AOC.

All laboratory analytical results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil sample locations are shown in **Figure 3, 3A, and 3B. Photographic Documentation** of all activities is attached.

Remediation Activities

During May 2026, Devon oversaw a third-part contractor perform excavation activities via mechanical equipment based on laboratory analytical results associated with delineation soil sampling activities and visual observation. The excavation was vertically advanced to depths ranging from approximately 0.25 to 1-foot 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-1 through CS-25) and sidewalls (SW-1 through SW-18). 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 indicated that concentrations of COCs for all final confirmation soil samples were below the applicable Site Closure Criteria and/or the Reclamation Standard. Laboratory analytical results are summarized in **Table 1A**, included in the attachments. The locations of all final confirmation soil samples are shown in **Figure 4. Photographic Documentation** of all activities is attached.

Approximately 120 cubic yards (CY) of impacted soil was removed from the Site and transported to the Northern Delaware Basin Landfill near Jal, New Mexico under Devon approved manifests. Upon receipt of the final confirmation soil sample laboratory analytical 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

Due to the active status of the production pad, the top 4 feet of the AOC is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. Based upon DTW estimated to be greater than 50 feet bgs and no sensitive receptors within the established buffers in NMAC 19.15.29.12, Devon believes residual chloride concentrations within the AOC exceeding the Reclamation Standard but below the Site Closure Criteria, meets the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater.

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



Devon will reassess the Site during plugging and abandonment activities and/or complete facility reconstruction, whichever comes first, and address soil concentrations above the reclamation requirements of 100 mg/kg TPH and 600 mg/kg chloride (**Figure 5**). The final remediation will be confirmed via final confirmation sampling and is subject to change. As such, NFA appears warranted at this time, and Devon respectfully requests Closure of this CRR associated with Incident Numbers nAPP2525125732, nAPP2606434775, and nAPP2613145609.

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

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

A handwritten signature in black ink, appearing to read "Gilbert Moreno".

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

A handwritten signature in black ink, appearing to read "Kris Williams".

Kris Williams, CHMM, REM
Principal

cc: Jim Raley, Devon Energy
Bureau of Land Management

Attachments:

- Figure 1 - Site Map
- Figure 1A - Groundwater
- Figure 1B - Karst Potential
- Figure 2 - Area of Concern
- Figure 3 - Delineation Soil Sample Locations
- Figure 3A - Delineation Soil Sample Locations
- Figure 3B - Delineation Soil Sample Locations
- Figure 4 - Excavation Soil Sample Locations
- Figure 5 - Future Restoration Area
- Referenced Well Record
- Table 1 - Soil Sample Analytical Results
- Table 1A - Soil Sample Analytical Results
- Photographic Documentation
- NMOCD Documentation & Correspondence
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports

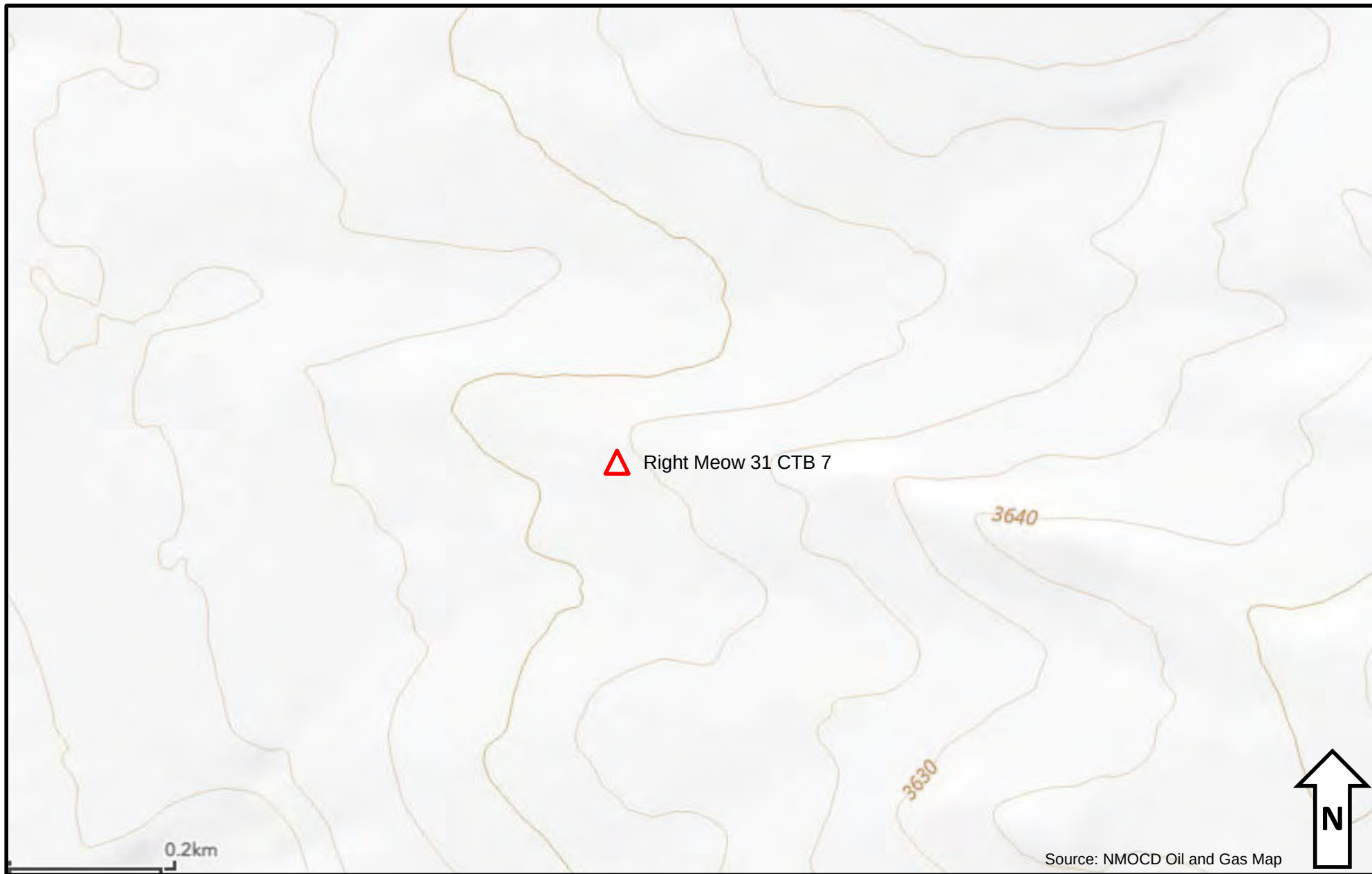


Figure 1 – Site Map

Devon Energy – Right Meow 31 CTB 7
GPS: 32.265538,-103.710866
Lea County, New Mexico



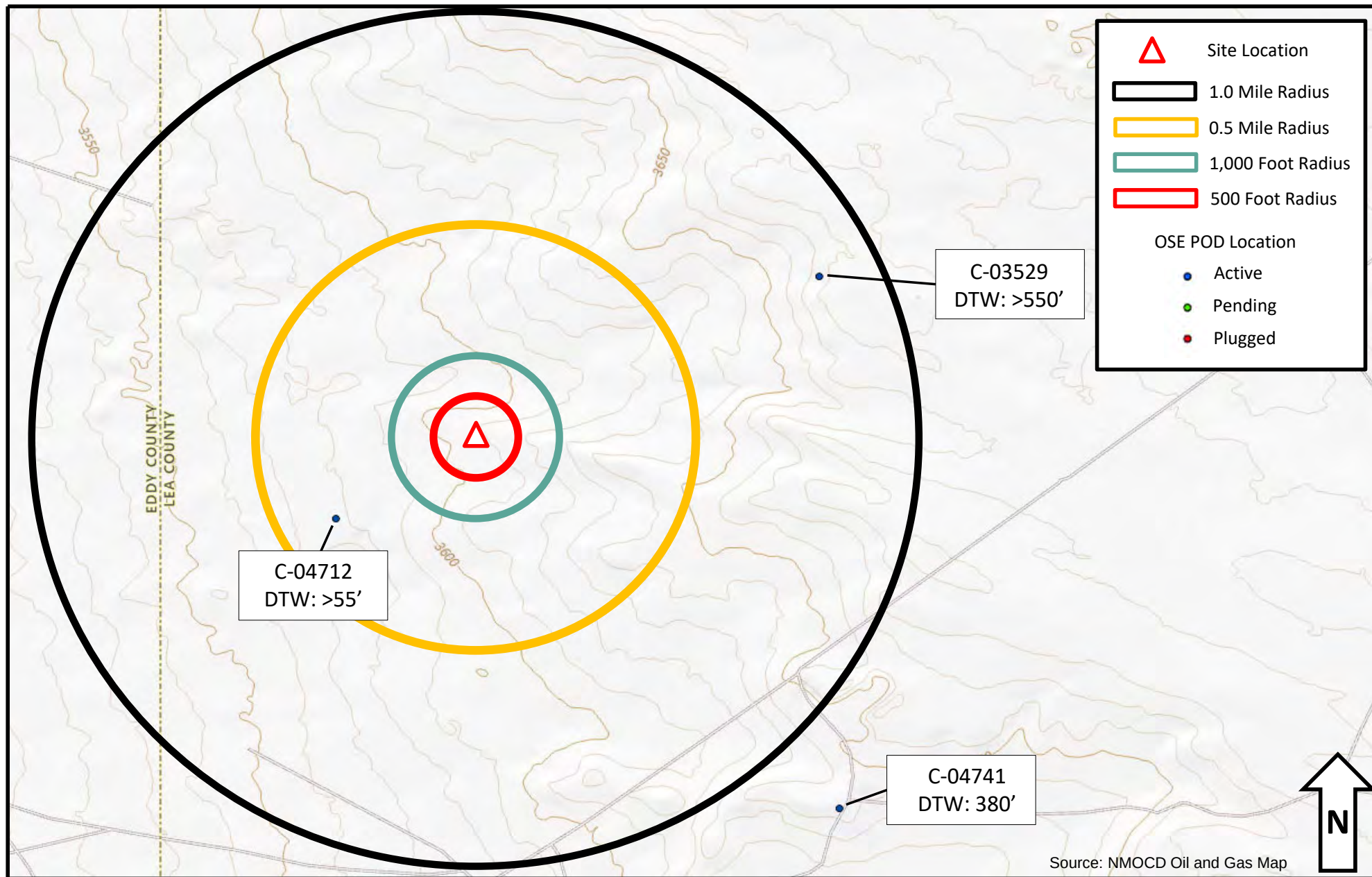
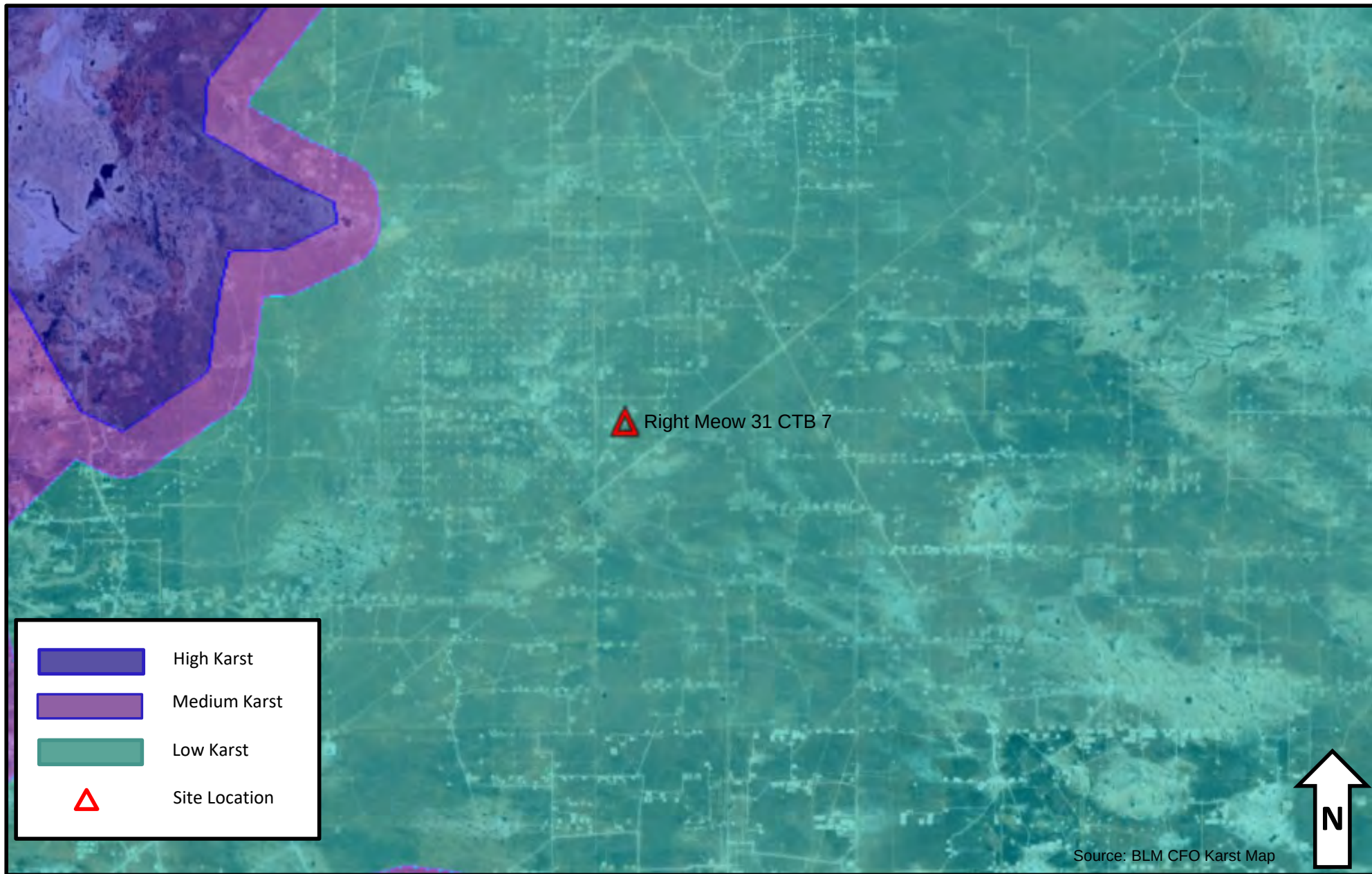


Figure 1A – Groundwater

Devon Energy – Right Meow 31 CTB 7
GPS: 32.265538,-103.710866
Lea County, New Mexico





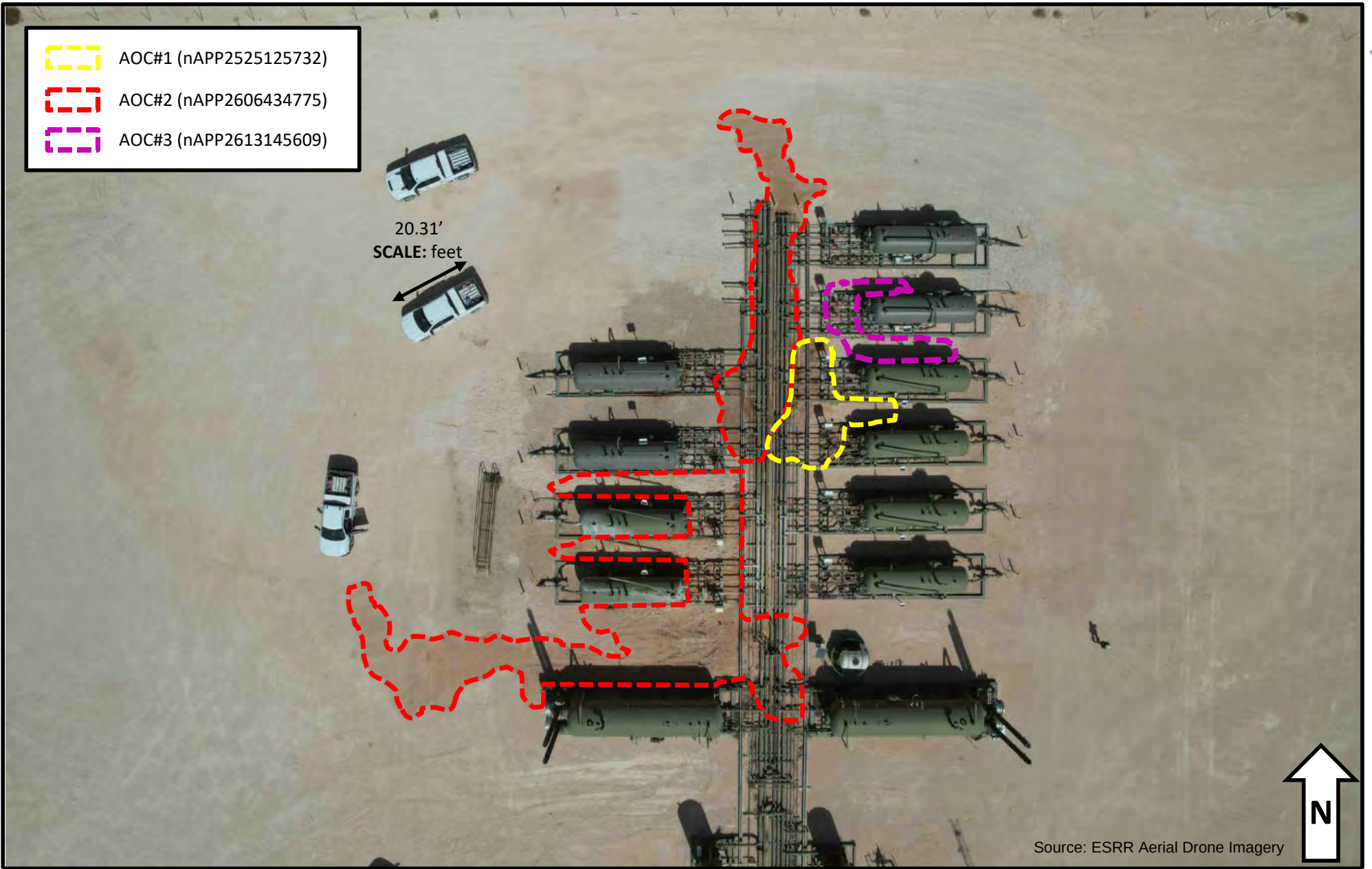


Figure 2 – Area of Concern

Devon Energy – Right Meow 31 CTB 7
GPS: 32.265538,-103.710866
Lea County, New Mexico

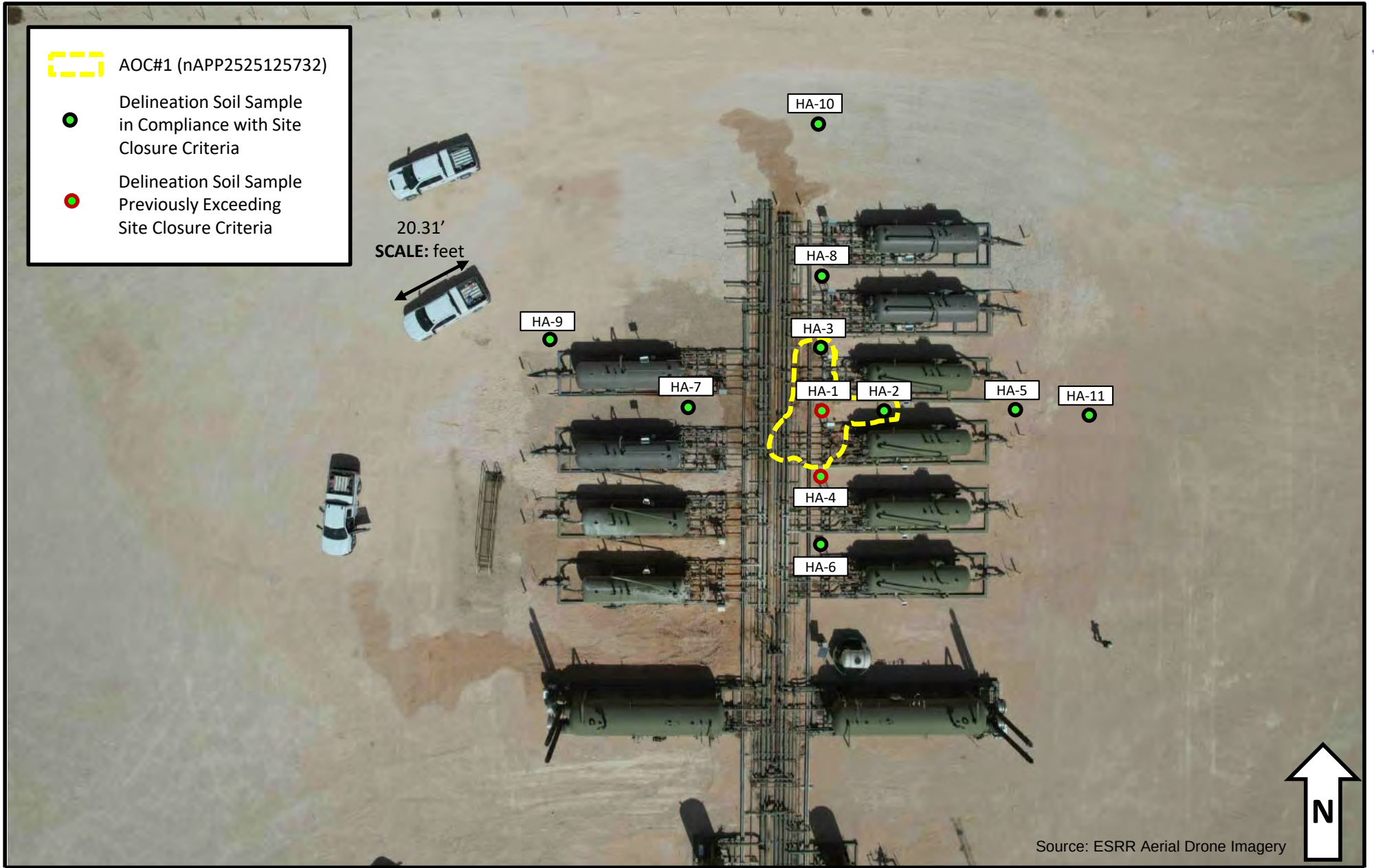


Figure 3 – Delineation Soil Sample Locations

Devon Energy – Right Meow 31 CTB 7
GPS: 32.265538,-103.710866
Lea County, New Mexico

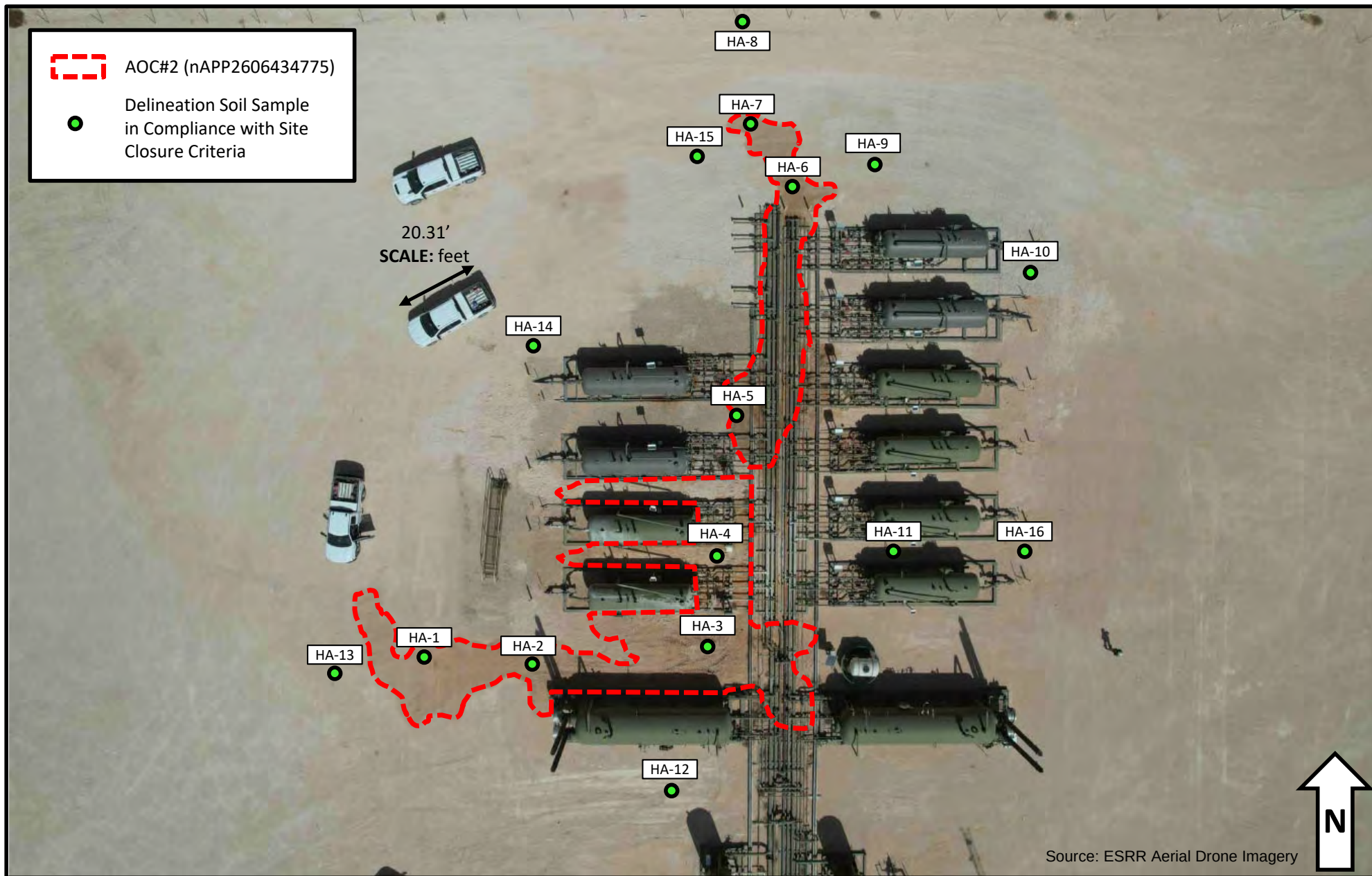


Figure 3A – Delineation Soil Sample Locations

Devon Energy – Right Meow 31 CTB 7
GPS: 32.265538,-103.710866
Lea County, New Mexico

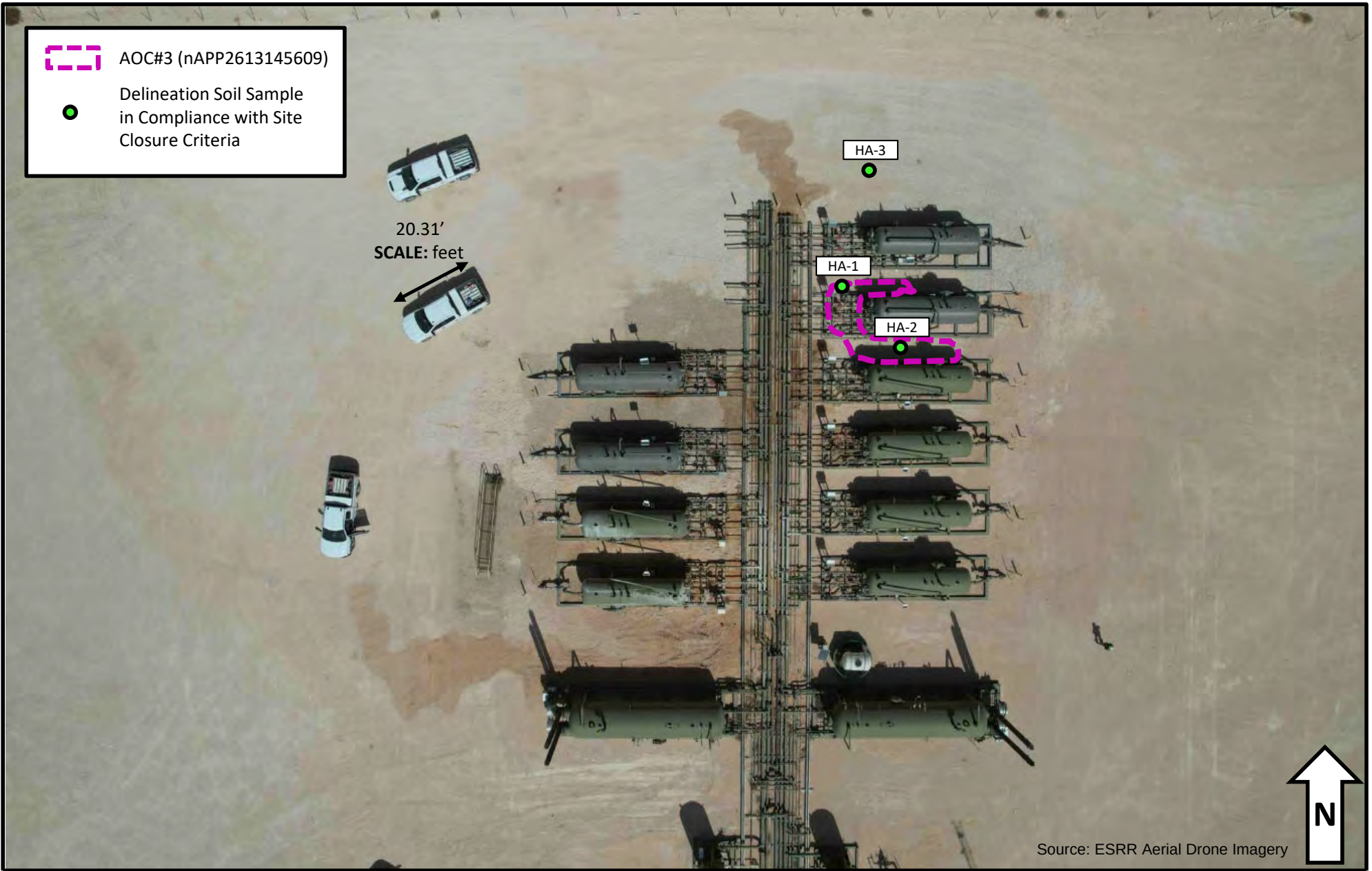


Figure 3B – Delineation Soil Sample Locations

Devon Energy – Right Meow 31 CTB 7
GPS: 32.265538,-103.710866
Lea County, New Mexico

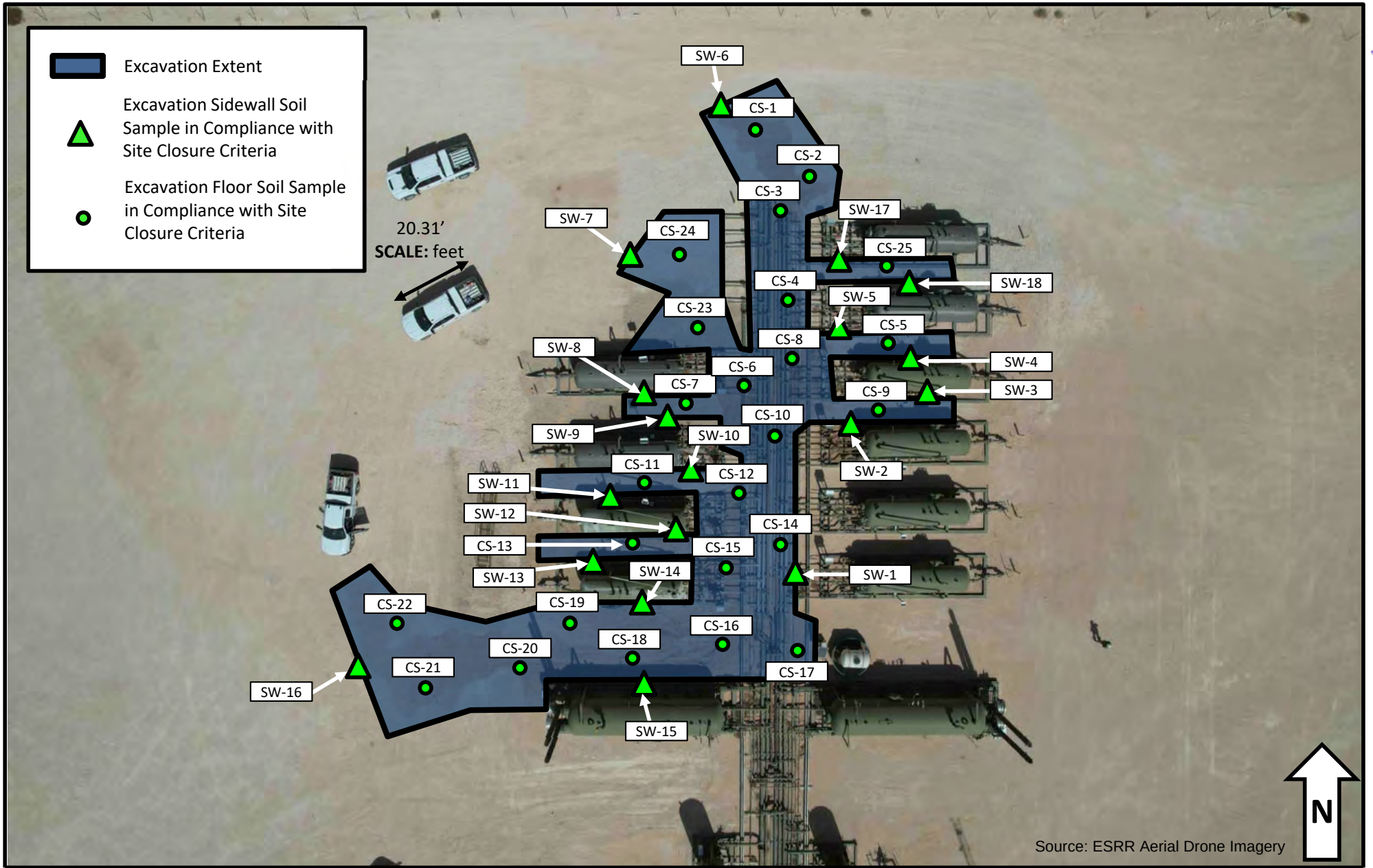


Figure 4 – Excavation Soil Sample Locations

Devon Energy – Right Meow 31 CTB 7
GPS: 32.265538,-103.710866
Lea County, New Mexico





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04712 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-4712			
	WELL OWNER NAME(S) Harvard Petroleum Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS PO Box 936				CITY Roswell	STATE ZIP NM 80202		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32		MINUTES 15	SECONDS 46.1	N * ACCURACY REQUIRED: ONE TENTH OF A SECOND W * DATUM REQUIRED: WGS 84		
		LONGITUDE -103		42	58.4			
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833	NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources			
	DRILLING STARTED Mar 9, 2023	DRILLING ENDED 3/9/23	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED Dry		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 45		6	2" pvc sch 40	Thread	2"	Sch 40	-
	45 55		6	2" pvc sch 40	Tread	2"	Sch 40	.02
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4712-POD1		POD NO. 1	TRN NO. 743189
LOCATION Mon 23.32.31.141		WELL TAG ID NO. —	PAGE 1 OF 2

[illegible]

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 743189
File Nbr: C 04712
Well File Nbr: C 04712 POD1

Apr. 04, 2023

VERTEX RESOURCES
P.O. BOX 936
ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Right Meow 31 CTB 7
Lea County, NM



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)	DRO + GRO (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	1,000	2,500	10,000
Delineation Soil Samples - nAPP2525125732										
HA-1	12/15/25	0.5	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	10,400
HA-1	12/15/25	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	2,640
HA-1	12/15/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	3,960
HA-2	12/15/25	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	6,780
HA-2	12/15/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1,920
HA-3	12/15/25	0.5	<0.00202	<0.00404	<50.2	<50.2	<50.2	<50.2	<50.2	3,960
HA-3	12/15/25	2	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	1,980
HA-4	12/15/25	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	10,800
HA-4	12/15/25	2	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	2,130
HA-5	12/15/25	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	452
HA-5	12/15/25	3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	704
HA-6	12/15/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	413
HA-6	12/15/25	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	465
HA-7	12/15/25	0.5	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	728
HA-8	12/15/25	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	843
HA-9	12/15/25	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	74.4
HA-9	12/15/25	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	59.9
HA-10	12/15/25	0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
HA-11	05/12/26	0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	371
HA-11	05/12/26	2	<0.00200	<0.00400	<50.1	<50.1	<50.1	<50.1	<50.1	67.0
HA-11	05/12/26	4	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	111
Delineation Soil Samples - nAPP2606434775										
HA-1	03/18/26	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	6,070
HA-1	03/18/26	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	3,670
HA-2	03/18/26	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	8,490
HA-2	03/18/26	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	2,440
HA-2	03/18/26	2	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	96.0
HA-3	03/18/26	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	8,910
HA-3	03/18/26	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	8,770
HA-3	03/18/26	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	7,420



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Right Meow 31 CTB 7
Lea County, NM



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)	DRO + GRO (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	1,000	2,500	10,000
Delineation Soil Samples - nAPP2606434775										
HA-4	03/18/26	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	8,830
HA-4	03/18/26	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	7,530
HA-4	03/18/26	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	8,340
HA-5	03/18/26	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	6,890
HA-5	03/18/26	1	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	8,390
HA-5	03/18/26	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	3,200
HA-6	03/18/26	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	8,510
HA-6	03/18/26	1	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	7,520
HA-6	03/18/26	2	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	3,060
HA-7	03/18/26	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	7,060
HA-7	03/18/26	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	7,090
HA-7	03/18/26	1.5	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	4,260
HA-8	03/18/26	0.5	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	54.7
HA-8	03/18/26	1.5R	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	83.1
HA-9	03/18/26	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	119
HA-9	03/18/26	2R	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	316
HA-10	03/18/26	0.5	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	37.5
HA-10	03/18/26	2R	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	49.2
HA-11	03/18/26	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	2,640
HA-11	03/18/26	1.5R	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	3,930
HA-12	03/18/26	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	151
HA-12	03/18/26	2R	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	62.0
HA-13	03/18/26	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	230
HA-13	03/18/26	2R	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	309
HA-14	03/18/26	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	90.7
HA-14	03/18/26	2R	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	140
HA-15	03/18/26	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	100
HA-15	03/18/26	2R	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	592
HA-16	03/18/26	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	53.4
HA-16	03/18/26	1R	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	65.2



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Right Meow 31 CTB 7
Lea County, NM



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)	DRO + GRO (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	1,000	2,500	10,000
Delineation Soil Samples - nAPP2613145609										
HA-1	05/18/26	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	4,490
HA-1	05/18/26	1R	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	2,060
HA-2	05/18/26	0.5	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	<50.1	5,300
HA-2	05/18/26	1R	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	3,100
HA-3	05/18/26	0.5	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	161
HA-3	05/18/26	1	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	130
HA-3	05/18/26	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	161

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.

R: Refusal



Table 1A
SOIL SAMPLE ANALYTICAL RESULTS
Right Meow 31 CTB 7
Lea County, NM



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)	DRO + GRO (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	1,000	2,500	10,000
Confirmation Soil Samples - nAPP2525125732, nAPP2606434775, nAPP2613145609										
SW-1	05/18/26	0-0.25	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	198
SW-2	05/14/26	0-1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	628
SW-3	05/14/26	0-1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	454
SW-4	05/14/26	0-1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	4,370
SW-5	05/14/26	0-1	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	<50.1	3,630
SW-6	05/18/26	0-0.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	124
SW-7	05/14/26	0-0.5	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	167
SW-8	05/14/26	0-0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1,290
SW-9	05/14/26	0-0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1,130
SW-10	05/14/26	0-0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	139
SW-11	05/14/26	0-0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	591
SW-12	05/14/26	0-0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	6,370
SW-13	05/14/26	0-0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	7,850
SW-14	05/14/26	0-0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	7,810
SW-15	05/14/26	0-0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	6,530
SW-16	05/18/26	0-0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	303
SW-17	05/18/26	0-0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	3,710
SW-18	05/18/26	0-0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	5,150
CS-1	05/18/26	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	3,620
CS-2	05/18/26	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	4,610
CS-3	05/14/26	0.25	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	2,960
CS-4	05/13/26	0.25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	6,010
CS-5	05/13/26	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	1,870
CS-6	05/13/26	0.25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,660
CS-7	05/13/26	0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	1,250
CS-8	05/13/26	0.25	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	2,030
CS-9	05/13/26	1	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	2,630
CS-10	05/14/26	0.25	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	498
CS-11	05/13/26	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	2,260
CS-12	05/14/26	0.25	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	330
CS-13	05/14/26	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	5,410



Table 1A
SOIL SAMPLE ANALYTICAL RESULTS
Right Meow 31 CTB 7
Lea County, NM



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)	DRO + GRO (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	1,000	2,500	10,000
Confirmation Soil Samples - nAPP2525125732, nAPP2606434775, nAPP2613145609										
CS-14	05/14/26	0.25	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	436
CS-15	05/14/26	0.25	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	596
CS-16	05/14/26	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	364
CS-17	05/14/26	0.25	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	175
CS-18	05/14/26	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	116
CS-19	05/14/26	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	222
CS-20	05/18/26	0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	203
CS-21	05/18/26	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	201
CS-22	05/18/26	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	353
CS-23	05/14/26	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	142
CS-24	05/13/26	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,320
CS-25	05/18/26	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	4,200

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.

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



PHOTO 1: Southeastern view during site assessment activities for nAPP2525125732. 12/8/2025



PHOTO 2: Southwestern view during site assessment activities for nAPP2525125732. 12/8/2025

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



PHOTO 3: Northeastern view during delineation activities of nAPP2525125732. 12/15/2025



PHOTO 4: Northeastern view during delineation activities of nAPP2525125732. 12/15/2025

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°

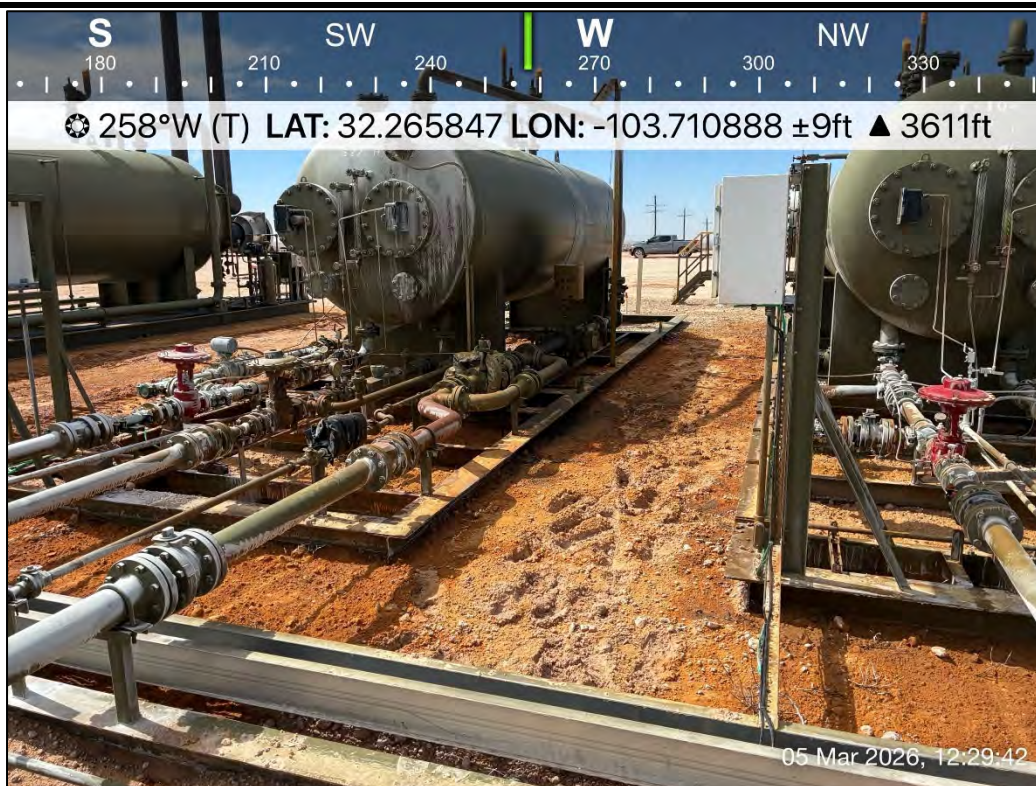


PHOTO 5: Southwestern view during site assessment activities for nAPP2606434775. 3/5/2026



PHOTO 6: Eastern view during site assessment activities for nAPP2606434775. 3/5/2026

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



PHOTO 7: Northeastern view during delineation activities of nAPP2606434775. 3/18/2026



PHOTO 8: Northeastern view during delineation activities of nAPP2606434775. 3/18/2026

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



PHOTO 9: Northwestern view during delineation activities of nAPP2606434775. 3/18/2026



PHOTO 10: Northwestern view during continued delineation activities of nAPP2525125732. 5/12/2026

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



PHOTO 11: Southwestern view during site assessment activities for nAPP2613145609. 5/12/2026



PHOTO 12: Southwestern view during excavation activities. 5/14/2026

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



PHOTO 13: Southeastern view during excavation activities. 5/14/2026



PHOTO 14: Northeastern view during delineation activities of nAPP2613145609. 5/18/2026

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



Date & Time: Mon, May 18, 2026 at 08:48:17 MDT
Position: +032.265614° / -103.711200° (±8.3ft)
Altitude: 3607ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 017° N17E 0302mils True (±11°)
Elevation Angle: -01.2°
Horizon Angle: -00.5°
Zoom: 1.0X
SW Face N



PHOTO 15: Northeastern view of excavation extent. 5/18/2026

Date & Time: Wed, Jun 03, 2026 at 11:36:29 MDT
Position: +032.266105° / -103.711142° (±8.0ft)
Altitude: 3608ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 122° S58E 2169mils True (±11°)
Elevation Angle: -02.8°
Horizon Angle: -00.8°
Zoom: 1.0X
NW Face E



PHOTO 16: Southeastern view following restoration activities. 6/3/2026

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



PHOTO 17: Northeastern view following restoration activities. 6/3/2026



PHOTO 18: Southeastern view following restoration activities. 6/3/2026

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2525125732, nAPP2606434775, nAPP2613145609
GPS: 32.265538°, -103.710866°



PHOTO 19: Southwestern view following restoration activities. 6/3/2026



RE: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2525125732

From Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Date Mon 6/8/2026 10:43 AM

To Gilbert Moreno <gmoreno@earthsys.net>

Cc Raley, Jim <jim.ralej@dvn.com>

Good morning,

The extension request is denied. Due to the two previous extension request approvals, a third cannot be approved.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers • Senior Environmental Scientist

Environmental Bureau

EMNRD - Oil Conservation Division

5200 Oakland NE, Suite B | Albuquerque, NM 87113

505.469.1830 | scott.rodgers@emnrd.nm.gov

<http://www.emnrd.nm.gov/ocd>



From: Gilbert Moreno <gmoreno@earthsys.net>

Sent: Monday, June 8, 2026 10:04 AM

To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Cc: Raley, Jim <jim.ralej@dvn.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Subject: Re: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2525125732

Good morning,

ESRR on behalf of Devon Energy (Devon) is requesting a final extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Right Meow 31 CTB 7 (Site).

Following the previous extension approval, Devon oversaw a third-party contractor perform remediation activities during the month of May 2026. ESRR has since completed all confirmation sampling activities, and the area of concern has been restored to as close to its original condition as of May 29, 2026. ESRR is currently drafting a subsequent corrective action closure report and anticipates it to be completed by the end of June 2026.

Devon requests a 30-day extension of the June 8, 2026, deadline for the release associated with Incident Number nAPP2525125732, to allow additional time for ESRR to finalize the subsequent corrective action closure report.

Regards,

Gilbert Moreno

Carlsbad Operations Manager- Project Geologist

O: (575) 323-9034 C: (832) 541-7719

gmoreno@earthsys.net

earthsys.net



This email may contain confidential and privileged material for the sole use of the intended recipient(s) for coordination of its work efforts with Earth Systems. Any review, use, distribution or disclosure by others is strictly prohibited. This data is subject to change at the discretion of Earth Systems. If you have received this communication in error, please notify the sender immediately by email and delete the message and any file attachments from your computer.

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Sent: Tuesday, March 10, 2026 8:31 AM

To: Gilbert Moreno <gmoreno@earthsys.net>

Cc: Raley, Jim <jim.raley@dmv.com>

Subject: RE: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2525125732

Your time extension request is approved. Remediation Due date has been updated to June 08, 2026 within the incident page. Please note that this is the second and final extension request approval.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers • Senior Environmental Scientist

Environmental Bureau

EMNRD - Oil Conservation Division

5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Monday, March 9, 2026 2:38 PM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dmv.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2525125732

Good afternoon,

ESRR on behalf of Devon Energy (Devon) is requesting an additional extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Right Meow 31 CTB 7 (Site).

Following the previous extension approval, initial delineation activities were performed on December 15, 2025, as previously mentioned by ESRR. Due to the consolidation of soils and the release occurring in areas in close proximities to aboveground equipment and pipelines, Devon has required additional time to assess safety precautions prior to commencing any remediation activities. Devon anticipates awarding this project to a 3rd-party contractor by end of March 2026. Following remediation activities, ESRR will immediately perform confirmation soil sampling activities.

Devon requests a 90-day extension of the March 9, 2026, deadline for the release associated with Incident Number nAPP2525125732, to allow additional time to complete remediation activities. Upon favorable confirmation soil sampling results, ESRR will complete a subsequent corrective action closure report.

Regards,

Gilbert Moreno

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



This email may contain confidential and privileged material for the sole use of the intended recipient(s) for coordination of its work efforts with Earth Systems. Any review, use, distribution or disclosure by others is strictly prohibited. This data is subject to change at the discretion of Earth Systems. If you have received this communication in error, please notify the sender immediately by email and delete the message and any file attachments from your computer.

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Monday, December 8, 2025 11:23 AM
To: Gilbert Moreno <gmoreno@earthsys.net>
Cc: Raley, Jim <jim.raley@dvn.com>
Subject: RE: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2525125732

Your time extension request is approved. Remediation Due date has been updated to March 09, 2026 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

If you have any questions, please contact me via email at your convenience.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Monday, December 8, 2025 8:09 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] Right Meow 31 CTB 7 - Extension Request - nAPP2525125732

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 Devon Energy (Devon) is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Right Meow 31 CTB 7 (Site).

A produced water release was discovered on September 7, 2025, and was subsequently assigned Incident Number nAPP2525125732. Due to a miscommunication on behalf of ESRR, the point of release

was assumed to be within the lined secondary containment in which a liner inspection was completed on November 7, 2025. The point of release has since been reinvestigated, and initial delineation activities are scheduled to be completed this week followed by remediation activities as soon as a third-party contractor is awarded the project.

Devon requests a 90-day extension of the December 8, 2025, deadline for the release associated with Incident Number nAPP2525125732, to allow additional time to complete delineation and remediation activities. Upon favorable confirmation soil sampling results, ESRR will complete a subsequent corrective action closure report.

Thanks,

Gilbert Moreno

Carlsbad Operations Manager- Project Geologist

O: (575) 323-9034 C: (832) 541-7719

gmoreno@earthsys.net

earthsys.net



This email may contain confidential and privileged material for the sole use of the intended recipient(s) for coordination of its work efforts with Earth Systems. Any review, use, distribution or disclosure by others is strictly prohibited. This data is subject to change at the discretion of Earth Systems. If you have received this communication in error, please notify the sender immediately by email and delete the message and any file attachments from your computer.



Outlook

Re: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2606434775

From Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Date Tue 6/2/2026 10:57 AM

To Gilbert Moreno <gmoreno@earthsys.net>

Cc Raley, Jim <jim.rale@dmn.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,

Thank you for the request. Your 30-day time extension is approved. Remediation Due date has been updated to July 2, 2026.

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

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

Regards,

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Monday, June 1, 2026 8:31 AM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2606434775

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Monday, June 1, 2026 7:44 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dmv.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>
Subject: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2606434775

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 Devon Energy (Devon) is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Right Meow 31 CTB 7 (Site).

A produced water release was discovered on March 4, 2026, and was subsequently assigned Incident Number nAPP2606434775. Devon has since overseen a third-party contractor perform excavation activities. ESRR completed final confirmation soil sampling activities on May 18, 2026. The third-party contractor is set to begin backfill activities this week.

Devon requests a 30-day extension of the June 2, 2026, deadline for the release associated with Incident Number nAPP2606434775, to allow additional time for the remaining remediation activities, and for ESRR to finalize a subsequent corrective action closure report.

Thanks,

Gilbert Moreno

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



This email may contain confidential and privileged material for the sole use of the intended recipient(s) for coordination of its work efforts with Earth Systems. Any review, use, distribution or disclosure by others is strictly prohibited. This data is subject to change at the discretion of Earth Systems. If you have received this communication in error, please notify the sender immediately by email and delete the message and any file attachments from your computer.

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 533925

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 533925
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2525125732
Incident Name	NAPP2525125732 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	09/07/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/15/2025
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	32.265538, -103.710866

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

Action 533925

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 533925
	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.	12/11/2025
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.	12/11/2025

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 583151

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583151
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2525125732
Incident Name	NAPP2525125732 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	09/07/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/12/2026
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	32.265538, -103.710866

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

Action 583151

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583151
	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.	5/8/2026
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.	5/8/2026

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 583153

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583153
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2525125732
Incident Name	NAPP2525125732 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	09/07/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,527
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2026
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	32.265538, -103.710866

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

Action 583153

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583153
	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.	5/8/2026
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.	5/8/2026

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 583154

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583154
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2525125732
Incident Name	NAPP2525125732 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	09/07/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,527
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2026
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	32.265538, -103.710866

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 583154

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583154
	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.	5/8/2026
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.	5/8/2026

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 585106

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 585106
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2525125732
Incident Name	NAPP2525125732 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	09/07/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,527
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/18/2026
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	32.265538, -103.710866

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

Action 585106

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 585106
	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.	5/14/2026
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.	5/14/2026

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 563283

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 563283
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2606434775
Incident Name	NAPP2606434775 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	03/04/2026
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,500
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/18/2026
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	32.265538,-103.710866

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 563283

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 563283
	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.	3/16/2026
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.	3/16/2026

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 583157

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583157
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2606434775
Incident Name	NAPP2606434775 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	03/04/2026
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,527
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2026
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	32.265538, -103.710866

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

Action 583157

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583157
	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.	5/8/2026
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.	5/8/2026

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 583162

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583162
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2606434775
Incident Name	NAPP2606434775 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	03/04/2026
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,527
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2026
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	32.265538, -103.710866

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 583162

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 583162
	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.	5/8/2026
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.	5/8/2026

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 585109

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 585109
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2606434775
Incident Name	NAPP2606434775 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	03/04/2026
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,527
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/18/2026
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	32.265538, -103.710866

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

Action 585109

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 585109
	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.	5/14/2026
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.	5/14/2026

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 585112

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 585112
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2613145609
Incident Name	NAPP2613145609 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Notification Accepted
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source	
Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	05/11/2026
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	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/18/2026
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	32.265538, -103.710866

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

Action 585112

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 585112
	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.	5/14/2026
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.	5/14/2026



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/23/2025 10:58:53 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9237-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



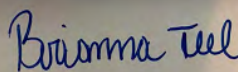
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
12/23/2025 10:58:53 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: Right Meow 31 CTB 7

Laboratory Job ID: 890-9237-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	21
QC Sample Results	23
QC Association Summary	31
Lab Chronicle	37
Certification Summary	43
Method Summary	44
Sample Summary	45
Chain of Custody	46
Receipt Checklists	50

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
Project: Right Meow 31 CTB 7

Job ID: 890-9237-1

Job ID: 890-9237-1

Eurofins Carlsbad

Job Narrative 890-9237-1

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

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

Receipt

The samples were received on 12/16/2025 4:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-1 (890-9237-1), HA-1 (890-9237-2), HA-1 (890-9237-3), HA-2 (890-9237-4), HA-2 (890-9237-5), HA-3 (890-9237-6), HA-3 (890-9237-7), HA-4 (890-9237-8), HA-4 (890-9237-9), HA-5 (890-9237-10), HA-5 (890-9237-11), HA-6 (890-9237-12), HA-6 (890-9237-13), HA-7 (890-9237-14), HA-8 (890-9237-15), HA-9 (890-9237-16), HA-9 (890-9237-17) and HA-10 (890-9237-18).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-127151 and 880-127272 and analytical batch 880-127349 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA-10 (890-9237-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-8 (890-9237-15), HA-9 (890-9237-16), HA-9 (890-9237-17) and HA-10 (890-9237-18). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-9237-A-15-C MS) and (890-9237-A-15-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: HA-1 (890-9237-1), HA-1 (890-9237-2), HA-1 (890-9237-3), HA-2 (890-9237-4), HA-2 (890-9237-5), HA-3 (890-9237-6), HA-3 (890-9237-7), HA-4 (890-9237-8), HA-4 (890-9237-9), HA-5 (890-9237-10), HA-5 (890-9237-11), HA-6 (890-9237-12), HA-6 (890-9237-13), HA-7 (890-9237-14), (880-66225-A-1-D), (880-66225-A-1-E MS) and (880-66225-A-1-F MSD). Percent recoveries are based on the amount spiked.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9237-1

Date Collected: 12/15/25 09:00

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/18/25 11:13	12/19/25 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 11:13	12/19/25 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 11:13	12/19/25 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/18/25 11:13	12/19/25 12:05	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/18/25 11:13	12/19/25 12:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/19/25 12:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/23/25 04:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 04:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 04:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130	12/17/25 09:57	12/23/25 04:13	1
o-Terphenyl	148	S1+	70 - 130	12/17/25 09:57	12/23/25 04:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10400		200		mg/Kg			12/19/25 07:51	20

Client Sample ID: HA-1

Lab Sample ID: 890-9237-2

Date Collected: 12/15/25 09:05

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 13:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 13:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 13:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/25 11:13	12/19/25 13:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 13:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/25 11:13	12/19/25 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/18/25 11:13	12/19/25 13:07	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9237-2

Date Collected: 12/15/25 09:05

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	12/18/25 11:13	12/19/25 13:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/25 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/23/25 04:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 04:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 04:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 04:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				12/17/25 09:57	12/23/25 04:28	1
o-Terphenyl	136	S1+	70 - 130				12/17/25 09:57	12/23/25 04:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2640		50.4		mg/Kg			12/18/25 18:25	5

Client Sample ID: HA-1

Lab Sample ID: 890-9237-3

Date Collected: 12/15/25 09:10

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/18/25 11:13	12/19/25 13:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/25 11:13	12/19/25 13:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/25 11:13	12/19/25 13:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/25 11:13	12/19/25 13:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/25 11:13	12/19/25 13:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/25 11:13	12/19/25 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	12/18/25 11:13	12/19/25 13:28	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/18/25 11:13	12/19/25 13:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/19/25 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/23/25 04:43	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9237-3

Date Collected: 12/15/25 09:10

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 04:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 04:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				12/17/25 09:57	12/23/25 04:43	1
o-Terphenyl	138	S1+	70 - 130				12/17/25 09:57	12/23/25 04:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3960		50.2		mg/Kg			12/18/25 18:32	5

Client Sample ID: HA-2

Lab Sample ID: 890-9237-4

Date Collected: 12/15/25 09:15

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/18/25 11:13	12/19/25 13:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/25 11:13	12/19/25 13:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/25 11:13	12/19/25 13:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/25 11:13	12/19/25 13:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/25 11:13	12/19/25 13:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/25 11:13	12/19/25 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				12/18/25 11:13	12/19/25 13:48	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/18/25 11:13	12/19/25 13:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/25 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/23/25 04:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 04:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 04:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 04:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				12/17/25 09:57	12/23/25 04:58	1
o-Terphenyl	143	S1+	70 - 130				12/17/25 09:57	12/23/25 04:58	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-2

Lab Sample ID: 890-9237-4

Date Collected: 12/15/25 09:15

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6780		101		mg/Kg			12/18/25 18:39	10

Client Sample ID: HA-2

Lab Sample ID: 890-9237-5

Date Collected: 12/15/25 09:20

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 14:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 14:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 14:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/18/25 11:13	12/19/25 14:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 14:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/18/25 11:13	12/19/25 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				12/18/25 11:13	12/19/25 14:09	1
1,4-Difluorobenzene (Surr)	82		70 - 130				12/18/25 11:13	12/19/25 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/19/25 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/23/25 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 05:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 05:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				12/17/25 09:57	12/23/25 05:27	1
o-Terphenyl	140	S1+	70 - 130				12/17/25 09:57	12/23/25 05:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		50.0		mg/Kg			12/18/25 18:46	5

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-3

Lab Sample ID: 890-9237-6

Date Collected: 12/15/25 09:25

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/18/25 11:13	12/19/25 14:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/25 11:13	12/19/25 14:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/25 11:13	12/19/25 14:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/18/25 11:13	12/19/25 14:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/25 11:13	12/19/25 14:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/18/25 11:13	12/19/25 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	12/18/25 11:13	12/19/25 14:29	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/18/25 11:13	12/19/25 14:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/19/25 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/23/25 05:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/17/25 09:57	12/23/25 05:42	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/17/25 09:57	12/23/25 05:42	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/17/25 09:57	12/23/25 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130	12/17/25 09:57	12/23/25 05:42	1
o-Terphenyl	150	S1+	70 - 130	12/17/25 09:57	12/23/25 05:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3960		99.2		mg/Kg			12/18/25 18:53	10

Client Sample ID: HA-3

Lab Sample ID: 890-9237-7

Date Collected: 12/15/25 09:30

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/18/25 11:13	12/19/25 14:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/18/25 11:13	12/19/25 14:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/18/25 11:13	12/19/25 14:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/18/25 11:13	12/19/25 14:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/18/25 11:13	12/19/25 14:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/18/25 11:13	12/19/25 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	12/18/25 11:13	12/19/25 14:50	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-3

Lab Sample ID: 890-9237-7

Date Collected: 12/15/25 09:30

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	12/18/25 11:13	12/19/25 14:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/19/25 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/23/25 05:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/17/25 09:57	12/23/25 05:57	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/17/25 09:57	12/23/25 05:57	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/17/25 09:57	12/23/25 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				12/17/25 09:57	12/23/25 05:57	1
o-Terphenyl	138	S1+	70 - 130				12/17/25 09:57	12/23/25 05:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1980		50.5		mg/Kg			12/18/25 19:00	5

Client Sample ID: HA-4

Lab Sample ID: 890-9237-8

Date Collected: 12/15/25 09:35

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/18/25 11:13	12/19/25 15:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/18/25 11:13	12/19/25 15:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/18/25 11:13	12/19/25 15:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/18/25 11:13	12/19/25 15:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/18/25 11:13	12/19/25 15:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/18/25 11:13	12/19/25 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/18/25 11:13	12/19/25 15:37	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/18/25 11:13	12/19/25 15:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/19/25 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	<50.0	U	50.0		mg/Kg			12/23/25 06:12	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-4

Lab Sample ID: 890-9237-8

Date Collected: 12/15/25 09:35

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/17/25 09:57	12/23/25 06:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 06:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130				12/17/25 09:57	12/23/25 06:12	1
o-Terphenyl	145	S1+	70 - 130				12/17/25 09:57	12/23/25 06:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10800		101		mg/Kg			12/19/25 18:10	10

Client Sample ID: HA-4

Lab Sample ID: 890-9237-9

Date Collected: 12/15/25 09:40

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 17:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 11:13	12/19/25 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 17:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 11:13	12/19/25 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				12/18/25 11:13	12/19/25 17:10	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/18/25 11:13	12/19/25 17:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/19/25 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/23/25 06:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 06:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 06:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 06:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				12/17/25 09:57	12/23/25 06:26	1
o-Terphenyl	138	S1+	70 - 130				12/17/25 09:57	12/23/25 06:26	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-4

Lab Sample ID: 890-9237-9

Date Collected: 12/15/25 09:40

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2130		50.3		mg/Kg			12/19/25 18:15	5

Client Sample ID: HA-5

Lab Sample ID: 890-9237-10

Date Collected: 12/15/25 09:45

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/18/25 11:13	12/19/25 17:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/18/25 11:13	12/19/25 17:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/18/25 11:13	12/19/25 17:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/18/25 11:13	12/19/25 17:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/18/25 11:13	12/19/25 17:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/18/25 11:13	12/19/25 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/18/25 11:13	12/19/25 17:31	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/18/25 11:13	12/19/25 17:31	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			12/19/25 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/23/25 06:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 06:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 06:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/17/25 09:57	12/23/25 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130				12/17/25 09:57	12/23/25 06:42	1
o-Terphenyl	150	S1+	70 - 130				12/17/25 09:57	12/23/25 06:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	452		9.98		mg/Kg			12/19/25 18:21	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-5

Lab Sample ID: 890-9237-11

Date Collected: 12/15/25 09:50

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/18/25 11:13	12/19/25 17:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/18/25 11:13	12/19/25 17:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/18/25 11:13	12/19/25 17:51	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/18/25 11:13	12/19/25 17:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/18/25 11:13	12/19/25 17:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/18/25 11:13	12/19/25 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/18/25 11:13	12/19/25 17:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/18/25 11:13	12/19/25 17:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/19/25 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/23/25 06:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 06:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 06:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 06:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130	12/17/25 09:57	12/23/25 06:57	1
o-Terphenyl	157	S1+	70 - 130	12/17/25 09:57	12/23/25 06:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	704		9.96		mg/Kg			12/19/25 18:27	1

Client Sample ID: HA-6

Lab Sample ID: 890-9237-12

Date Collected: 12/15/25 09:55

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/19/25 14:32	12/21/25 18:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 18:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 18:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/19/25 14:32	12/21/25 18:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 18:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/19/25 14:32	12/21/25 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/19/25 14:32	12/21/25 18:10	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-6

Lab Sample ID: 890-9237-12

Date Collected: 12/15/25 09:55

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	12/19/25 14:32	12/21/25 18:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/25 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/23/25 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	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 07:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 07:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/17/25 09:57	12/23/25 07:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				12/17/25 09:57	12/23/25 07:11	1
o-Terphenyl	150	S1+	70 - 130				12/17/25 09:57	12/23/25 07:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	413		10.1		mg/Kg			12/19/25 18:32	1

Client Sample ID: HA-6

Lab Sample ID: 890-9237-13

Date Collected: 12/15/25 10:00

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/19/25 14:32	12/21/25 18:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 18:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 18:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/19/25 14:32	12/21/25 18:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 18:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/19/25 14:32	12/21/25 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/19/25 14:32	12/21/25 18:31	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/19/25 14:32	12/21/25 18:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/25 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	<50.0	U	50.0		mg/Kg			12/23/25 07:26	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-6

Lab Sample ID: 890-9237-13

Date Collected: 12/15/25 10:00

Matrix: Solid

Date Received: 12/16/25 16:22

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	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 07:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 07:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 07:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				12/17/25 09:57	12/23/25 07:26	1
o-Terphenyl	147	S1+	70 - 130				12/17/25 09:57	12/23/25 07:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	465		10.1		mg/Kg			12/18/25 20:18	1

Client Sample ID: HA-7

Lab Sample ID: 890-9237-14

Date Collected: 12/15/25 10:05

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/19/25 14:32	12/21/25 18:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/19/25 14:32	12/21/25 18:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/19/25 14:32	12/21/25 18:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/19/25 14:32	12/21/25 18:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/19/25 14:32	12/21/25 18:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/19/25 14:32	12/21/25 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/19/25 14:32	12/21/25 18:51	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/19/25 14:32	12/21/25 18:51	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			12/21/25 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/23/25 07:41	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	<50.1	U	50.1		mg/Kg		12/17/25 09:57	12/23/25 07:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/17/25 09:57	12/23/25 07:41	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/17/25 09:57	12/23/25 07:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130				12/17/25 09:57	12/23/25 07:41	1
o-Terphenyl	160	S1+	70 - 130				12/17/25 09:57	12/23/25 07:41	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-7

Lab Sample ID: 890-9237-14

Date Collected: 12/15/25 10:05

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	728		10.1		mg/Kg			12/18/25 20:23	1

Client Sample ID: HA-8

Lab Sample ID: 890-9237-15

Date Collected: 12/15/25 10:10

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/19/25 14:32	12/21/25 19:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/19/25 14:32	12/21/25 19:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/19/25 14:32	12/21/25 19:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/19/25 14:32	12/21/25 19:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/19/25 14:32	12/21/25 19:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/19/25 14:32	12/21/25 19:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/19/25 14:32	12/21/25 19:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/19/25 14:32	12/21/25 19:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/21/25 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	<50.0	U	50.0		mg/Kg			12/21/25 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 18:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 18:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				12/17/25 15:31	12/21/25 18:39	1
o-Terphenyl	132	S1+	70 - 130				12/17/25 15:31	12/21/25 18:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	843		9.98		mg/Kg			12/18/25 20:28	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-9237-16

Date Collected: 12/15/25 10:15

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/19/25 14:32	12/21/25 19:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 19:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 19:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/19/25 14:32	12/21/25 19:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 19:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/19/25 14:32	12/21/25 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/19/25 14:32	12/21/25 19:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/19/25 14:32	12/21/25 19:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/21/25 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/21/25 19:23	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	<50.1	U	50.1		mg/Kg		12/17/25 15:31	12/21/25 19:23	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/17/25 15:31	12/21/25 19:23	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/17/25 15:31	12/21/25 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130	12/17/25 15:31	12/21/25 19:23	1
o-Terphenyl	140	S1+	70 - 130	12/17/25 15:31	12/21/25 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.4		9.90		mg/Kg			12/18/25 20:33	1

Client Sample ID: HA-9

Lab Sample ID: 890-9237-17

Date Collected: 12/15/25 10:20

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/19/25 14:32	12/21/25 19:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 19:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 19:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/19/25 14:32	12/21/25 19:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/19/25 14:32	12/21/25 19:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/19/25 14:32	12/21/25 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/19/25 14:32	12/21/25 19:53	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-9237-17

Date Collected: 12/15/25 10:20

Matrix: Solid

Date Received: 12/16/25 16:22

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	12/19/25 14:32	12/21/25 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			12/21/25 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			12/21/25 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 19:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 19:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130				12/17/25 15:31	12/21/25 19:37	1
o-Terphenyl	138	S1+	70 - 130				12/17/25 15:31	12/21/25 19:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.9		10.1		mg/Kg			12/18/25 20:38	1

Client Sample ID: HA-10

Lab Sample ID: 890-9237-18

Date Collected: 12/15/25 10:25

Matrix: Solid

Date Received: 12/16/25 16:22

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		12/19/25 13:16	12/22/25 01:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:16	12/22/25 01:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:16	12/22/25 01:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/19/25 13:16	12/22/25 01:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:16	12/22/25 01:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/19/25 13:16	12/22/25 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	12/19/25 13:16	12/22/25 01:54	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/19/25 13:16	12/22/25 01:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/22/25 01:54	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			12/21/25 19:53	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-10
Date Collected: 12/15/25 10:25
Date Received: 12/16/25 16:22
Sample Depth: 0.5

Lab Sample ID: 890-9237-18
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 19:53	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 19:53	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 19:53	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	155	S1+	70 - 130				12/17/25 15:31	12/21/25 19:53	1	
o-Terphenyl	142	S1+	70 - 130				12/17/25 15:31	12/21/25 19:53	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<10.1	U	10.1		mg/Kg			12/18/25 20:43	1	

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9237-1	HA-1	92	86
890-9237-1 MS	HA-1	94	102
890-9237-1 MSD	HA-1	94	99
890-9237-2	HA-1	96	90
890-9237-3	HA-1	93	87
890-9237-4	HA-2	88	88
890-9237-5	HA-2	95	82
890-9237-6	HA-3	92	86
890-9237-7	HA-3	87	86
890-9237-8	HA-4	105	85
890-9237-9	HA-4	95	91
890-9237-10	HA-5	98	88
890-9237-11	HA-5	111	92
890-9237-12	HA-6	111	97
890-9237-13	HA-6	105	102
890-9237-14	HA-7	122	98
890-9237-15	HA-8	109	108
890-9237-16	HA-9	105	99
890-9237-17	HA-9	100	98
890-9237-18	HA-10	143 S1+	113
LCS 880-127083/1-A	Lab Control Sample	91	91
LCS 880-127272/1-A	Lab Control Sample	111	95
LCS 880-127281/1-A	Lab Control Sample	113	105
LCSD 880-127083/2-A	Lab Control Sample Dup	94	104
LCSD 880-127272/2-A	Lab Control Sample Dup	113	99
LCSD 880-127281/2-A	Lab Control Sample Dup	111	106
MB 880-127083/5-A	Method Blank	97	84
MB 880-127151/5-A	Method Blank	162 S1+	97
MB 880-127272/5-A	Method Blank	158 S1+	90
MB 880-127281/5-A	Method Blank	103	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)
890-9237-1	HA-1	150 S1+	148 S1+
890-9237-2	HA-1	138 S1+	136 S1+
890-9237-3	HA-1	141 S1+	138 S1+
890-9237-4	HA-2	146 S1+	143 S1+
890-9237-5	HA-2	144 S1+	140 S1+
890-9237-6	HA-3	148 S1+	150 S1+
890-9237-7	HA-3	139 S1+	138 S1+
890-9237-8	HA-4	154 S1+	145 S1+
890-9237-9	HA-4	143 S1+	138 S1+

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea 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)
890-9237-10	HA-5	154 S1+	150 S1+
890-9237-11	HA-5	162 S1+	157 S1+
890-9237-12	HA-6	155 S1+	150 S1+
890-9237-13	HA-6	150 S1+	147 S1+
890-9237-14	HA-7	166 S1+	160 S1+
890-9237-15	HA-8	150 S1+	132 S1+
890-9237-15 MS	HA-8	139 S1+	134 S1+
890-9237-15 MSD	HA-8	137 S1+	133 S1+
890-9237-16	HA-9	153 S1+	140 S1+
890-9237-17	HA-9	152 S1+	138 S1+
890-9237-18	HA-10	155 S1+	142 S1+
LCS 880-126951/2-A	Lab Control Sample	113	115
LCS 880-127012/2-A	Lab Control Sample	96	90
LCSD 880-126951/3-A	Lab Control Sample Dup	114	115
LCSD 880-127012/3-A	Lab Control Sample Dup	94	92
MB 880-126951/1-A	Method Blank	118	108
MB 880-127012/1-A	Method Blank	130	121
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-127083/5-A

Matrix: Solid

Analysis Batch: 127210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127083

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 11:13	12/19/25 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 11:13	12/19/25 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 11:13	12/19/25 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/18/25 11:13	12/19/25 11:44	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/18/25 11:13	12/19/25 11:44	1

Lab Sample ID: LCS 880-127083/1-A

Matrix: Solid

Analysis Batch: 127210

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09274		mg/Kg		93	70 - 130
Toluene	0.100	0.09903		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2016		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09566		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-127083/2-A

Matrix: Solid

Analysis Batch: 127210

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127083

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1051		mg/Kg		105	70 - 130	12	35
Toluene	0.100	0.1054		mg/Kg		105	70 - 130	6	35
Ethylbenzene	0.100	0.1119		mg/Kg		112	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2194		mg/Kg		110	70 - 130	8	35
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130	9	35

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

Lab Sample ID: 890-9237-1 MS

Matrix: Solid

Analysis Batch: 127210

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 127083

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09459		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.09228		mg/Kg		92	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9237-1 MS

Matrix: Solid

Analysis Batch: 127210

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 127083

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09656		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1877		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.100	0.08897		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-9237-1 MSD

Matrix: Solid

Analysis Batch: 127210

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 127083

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	0.09175		mg/Kg		92	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09017		mg/Kg		90	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09503		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1845		mg/Kg		92	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.08758		mg/Kg		88	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-127151/5-A

Matrix: Solid

Analysis Batch: 127349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/18/25 15:38	12/21/25 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/18/25 15:38	12/21/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/18/25 15:38	12/21/25 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/18/25 15:38	12/21/25 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/18/25 15:38	12/21/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/18/25 15:38	12/21/25 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130	12/18/25 15:38	12/21/25 11:26	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/18/25 15:38	12/21/25 11:26	1

Lab Sample ID: MB 880-127272/5-A

Matrix: Solid

Analysis Batch: 127349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:16	12/21/25 23:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:16	12/21/25 23:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:16	12/21/25 23:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/19/25 13:16	12/21/25 23:03	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-127272/5-A

Matrix: Solid

Analysis Batch: 127349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/19/25 13:16	12/21/25 23:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/19/25 13:16	12/21/25 23:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130				12/19/25 13:16	12/21/25 23:03	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/19/25 13:16	12/21/25 23:03	1

Lab Sample ID: LCS 880-127272/1-A

Matrix: Solid

Analysis Batch: 127349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1020		mg/Kg		102	70 - 130
Toluene	0.100	0.1010		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2222		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1151		mg/Kg		115	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	111		70 - 130				
1,4-Difluorobenzene (Surr)	95		70 - 130				

Lab Sample ID: LCSD 880-127272/2-A

Matrix: Solid

Analysis Batch: 127349

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	4	35
Toluene	0.100	0.1066		mg/Kg		107	70 - 130	5	35
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2089		mg/Kg		104	70 - 130	6	35
o-Xylene	0.100	0.1216		mg/Kg		122	70 - 130	5	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: MB 880-127281/5-A

Matrix: Solid

Analysis Batch: 127347

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/19/25 14:32	12/21/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/19/25 14:32	12/21/25 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/19/25 14:32	12/21/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/19/25 14:32	12/21/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/19/25 14:32	12/21/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/19/25 14:32	12/21/25 11:51	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/19/25 14:32	12/21/25 11:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/19/25 14:32	12/21/25 11:51	1

Lab Sample ID: LCS 880-127281/1-A

Matrix: Solid

Analysis Batch: 127347

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1019		mg/Kg		102	70 - 130
Toluene	0.100	0.09436		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1986		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-127281/2-A

Matrix: Solid

Analysis Batch: 127347

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127281

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1146		mg/Kg		115	70 - 130	12	35
Toluene	0.100	0.1098		mg/Kg		110	70 - 130	15	35
Ethylbenzene	0.100	0.1161		mg/Kg		116	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2324		mg/Kg		116	70 - 130	16	35
o-Xylene	0.100	0.1174		mg/Kg		117	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-126951/1-A

Matrix: Solid

Analysis Batch: 127420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 01:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 01:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 09:57	12/23/25 01:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	12/17/25 09:57	12/23/25 01:15	1
o-Terphenyl	108		70 - 130	12/17/25 09:57	12/23/25 01:15	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-126951/2-A

Matrix: Solid

Analysis Batch: 127420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126951

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	1024		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1035		mg/Kg		104	70 - 130		

Lab Sample ID: LCSD 880-126951/3-A

Matrix: Solid

Analysis Batch: 127420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126951

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1040		mg/Kg		104	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1035		mg/Kg		103	70 - 130	0	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	115		70 - 130								

Lab Sample ID: MB 880-127012/1-A

Matrix: Solid

Analysis Batch: 127353

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 127012

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 15:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 15:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/17/25 15:31	12/21/25 15:28	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	130		70 - 130				12/17/25 15:31	12/21/25 15:28	1
o-Terphenyl	121		70 - 130				12/17/25 15:31	12/21/25 15:28	1

Lab Sample ID: LCS 880-127012/2-A

Matrix: Solid

Analysis Batch: 127353

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1025		mg/Kg		102	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-127012/2-A

Matrix: Solid

Analysis Batch: 127353

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 127012

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-127012/3-A

Matrix: Solid

Analysis Batch: 127353

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 127012

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1011		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-9237-15 MS

Matrix: Solid

Analysis Batch: 127353

Client Sample ID: HA-8

Prep Type: Total/NA

Prep Batch: 127012

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	995.4		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1056		mg/Kg		106	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	139	S1+	70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: 890-9237-15 MSD

Matrix: Solid

Analysis Batch: 127353

Client Sample ID: HA-8

Prep Type: Total/NA

Prep Batch: 127012

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	992.1		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1043		mg/Kg		104	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	137	S1+	70 - 130
o-Terphenyl	133	S1+	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126997/1-A

Matrix: Solid

Analysis Batch: 127057

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/18/25 15:35	1

Lab Sample ID: LCS 880-126997/2-A

Matrix: Solid

Analysis Batch: 127057

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-126997/3-A

Matrix: Solid

Analysis Batch: 127057

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	255.5		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-126995/1-A

Matrix: Solid

Analysis Batch: 127116

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/18/25 18:15	1

Lab Sample ID: LCS 880-126995/2-A

Matrix: Solid

Analysis Batch: 127116

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.0		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-126995/3-A

Matrix: Solid

Analysis Batch: 127116

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	236.3		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-127033/1-A

Matrix: Solid

Analysis Batch: 127247

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/19/25 15:43	1

Lab Sample ID: LCS 880-127033/2-A

Matrix: Solid

Analysis Batch: 127247

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.9		mg/Kg		99	90 - 110

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-127033/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 127247											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	250	244.0		mg/Kg		98	90 - 110	1	20		

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

GC VOA

Prep Batch: 127083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-1	HA-1	Total/NA	Solid	5035	
890-9237-2	HA-1	Total/NA	Solid	5035	
890-9237-3	HA-1	Total/NA	Solid	5035	
890-9237-4	HA-2	Total/NA	Solid	5035	
890-9237-5	HA-2	Total/NA	Solid	5035	
890-9237-6	HA-3	Total/NA	Solid	5035	
890-9237-7	HA-3	Total/NA	Solid	5035	
890-9237-8	HA-4	Total/NA	Solid	5035	
890-9237-9	HA-4	Total/NA	Solid	5035	
890-9237-10	HA-5	Total/NA	Solid	5035	
890-9237-11	HA-5	Total/NA	Solid	5035	
MB 880-127083/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127083/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127083/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9237-1 MS	HA-1	Total/NA	Solid	5035	
890-9237-1 MSD	HA-1	Total/NA	Solid	5035	

Prep Batch: 127151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-127151/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 127210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-1	HA-1	Total/NA	Solid	8021B	127083
890-9237-2	HA-1	Total/NA	Solid	8021B	127083
890-9237-3	HA-1	Total/NA	Solid	8021B	127083
890-9237-4	HA-2	Total/NA	Solid	8021B	127083
890-9237-5	HA-2	Total/NA	Solid	8021B	127083
890-9237-6	HA-3	Total/NA	Solid	8021B	127083
890-9237-7	HA-3	Total/NA	Solid	8021B	127083
890-9237-8	HA-4	Total/NA	Solid	8021B	127083
890-9237-9	HA-4	Total/NA	Solid	8021B	127083
890-9237-10	HA-5	Total/NA	Solid	8021B	127083
890-9237-11	HA-5	Total/NA	Solid	8021B	127083
MB 880-127083/5-A	Method Blank	Total/NA	Solid	8021B	127083
LCS 880-127083/1-A	Lab Control Sample	Total/NA	Solid	8021B	127083
LCSD 880-127083/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127083
890-9237-1 MS	HA-1	Total/NA	Solid	8021B	127083
890-9237-1 MSD	HA-1	Total/NA	Solid	8021B	127083

Prep Batch: 127272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-18	HA-10	Total/NA	Solid	5035	
MB 880-127272/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127272/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127272/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 127281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-12	HA-6	Total/NA	Solid	5035	
890-9237-13	HA-6	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 127281 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-14	HA-7	Total/NA	Solid	5035	
890-9237-15	HA-8	Total/NA	Solid	5035	
890-9237-16	HA-9	Total/NA	Solid	5035	
890-9237-17	HA-9	Total/NA	Solid	5035	
MB 880-127281/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-127281/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-127281/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 127311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-1	HA-1	Total/NA	Solid	Total BTEX	
890-9237-2	HA-1	Total/NA	Solid	Total BTEX	
890-9237-3	HA-1	Total/NA	Solid	Total BTEX	
890-9237-4	HA-2	Total/NA	Solid	Total BTEX	
890-9237-5	HA-2	Total/NA	Solid	Total BTEX	
890-9237-6	HA-3	Total/NA	Solid	Total BTEX	
890-9237-7	HA-3	Total/NA	Solid	Total BTEX	
890-9237-8	HA-4	Total/NA	Solid	Total BTEX	
890-9237-9	HA-4	Total/NA	Solid	Total BTEX	
890-9237-10	HA-5	Total/NA	Solid	Total BTEX	
890-9237-11	HA-5	Total/NA	Solid	Total BTEX	
890-9237-12	HA-6	Total/NA	Solid	Total BTEX	
890-9237-13	HA-6	Total/NA	Solid	Total BTEX	
890-9237-14	HA-7	Total/NA	Solid	Total BTEX	
890-9237-15	HA-8	Total/NA	Solid	Total BTEX	
890-9237-16	HA-9	Total/NA	Solid	Total BTEX	
890-9237-17	HA-9	Total/NA	Solid	Total BTEX	
890-9237-18	HA-10	Total/NA	Solid	Total BTEX	

Analysis Batch: 127347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-12	HA-6	Total/NA	Solid	8021B	127281
890-9237-13	HA-6	Total/NA	Solid	8021B	127281
890-9237-14	HA-7	Total/NA	Solid	8021B	127281
890-9237-15	HA-8	Total/NA	Solid	8021B	127281
890-9237-16	HA-9	Total/NA	Solid	8021B	127281
890-9237-17	HA-9	Total/NA	Solid	8021B	127281
MB 880-127281/5-A	Method Blank	Total/NA	Solid	8021B	127281
LCS 880-127281/1-A	Lab Control Sample	Total/NA	Solid	8021B	127281
LCSD 880-127281/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127281

Analysis Batch: 127349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-18	HA-10	Total/NA	Solid	8021B	127272
MB 880-127151/5-A	Method Blank	Total/NA	Solid	8021B	127151
MB 880-127272/5-A	Method Blank	Total/NA	Solid	8021B	127272
LCS 880-127272/1-A	Lab Control Sample	Total/NA	Solid	8021B	127272
LCSD 880-127272/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	127272

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 126951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-1	HA-1	Total/NA	Solid	8015NM Prep	
890-9237-2	HA-1	Total/NA	Solid	8015NM Prep	
890-9237-3	HA-1	Total/NA	Solid	8015NM Prep	
890-9237-4	HA-2	Total/NA	Solid	8015NM Prep	
890-9237-5	HA-2	Total/NA	Solid	8015NM Prep	
890-9237-6	HA-3	Total/NA	Solid	8015NM Prep	
890-9237-7	HA-3	Total/NA	Solid	8015NM Prep	
890-9237-8	HA-4	Total/NA	Solid	8015NM Prep	
890-9237-9	HA-4	Total/NA	Solid	8015NM Prep	
890-9237-10	HA-5	Total/NA	Solid	8015NM Prep	
890-9237-11	HA-5	Total/NA	Solid	8015NM Prep	
890-9237-12	HA-6	Total/NA	Solid	8015NM Prep	
890-9237-13	HA-6	Total/NA	Solid	8015NM Prep	
890-9237-14	HA-7	Total/NA	Solid	8015NM Prep	
MB 880-126951/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126951/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126951/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 127012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-15	HA-8	Total/NA	Solid	8015NM Prep	
890-9237-16	HA-9	Total/NA	Solid	8015NM Prep	
890-9237-17	HA-9	Total/NA	Solid	8015NM Prep	
890-9237-18	HA-10	Total/NA	Solid	8015NM Prep	
MB 880-127012/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-127012/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-127012/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9237-15 MS	HA-8	Total/NA	Solid	8015NM Prep	
890-9237-15 MSD	HA-8	Total/NA	Solid	8015NM Prep	

Analysis Batch: 127353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-15	HA-8	Total/NA	Solid	8015B NM	127012
890-9237-16	HA-9	Total/NA	Solid	8015B NM	127012
890-9237-17	HA-9	Total/NA	Solid	8015B NM	127012
890-9237-18	HA-10	Total/NA	Solid	8015B NM	127012
MB 880-127012/1-A	Method Blank	Total/NA	Solid	8015B NM	127012
LCS 880-127012/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	127012
LCSD 880-127012/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	127012
890-9237-15 MS	HA-8	Total/NA	Solid	8015B NM	127012
890-9237-15 MSD	HA-8	Total/NA	Solid	8015B NM	127012

Analysis Batch: 127420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-1	HA-1	Total/NA	Solid	8015B NM	126951
890-9237-2	HA-1	Total/NA	Solid	8015B NM	126951
890-9237-3	HA-1	Total/NA	Solid	8015B NM	126951
890-9237-4	HA-2	Total/NA	Solid	8015B NM	126951
890-9237-5	HA-2	Total/NA	Solid	8015B NM	126951
890-9237-6	HA-3	Total/NA	Solid	8015B NM	126951
890-9237-7	HA-3	Total/NA	Solid	8015B NM	126951

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 127420 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-8	HA-4	Total/NA	Solid	8015B NM	126951
890-9237-9	HA-4	Total/NA	Solid	8015B NM	126951
890-9237-10	HA-5	Total/NA	Solid	8015B NM	126951
890-9237-11	HA-5	Total/NA	Solid	8015B NM	126951
890-9237-12	HA-6	Total/NA	Solid	8015B NM	126951
890-9237-13	HA-6	Total/NA	Solid	8015B NM	126951
890-9237-14	HA-7	Total/NA	Solid	8015B NM	126951
MB 880-126951/1-A	Method Blank	Total/NA	Solid	8015B NM	126951
LCS 880-126951/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126951
LCSD 880-126951/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126951

Analysis Batch: 127498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-1	HA-1	Total/NA	Solid	8015 NM	
890-9237-2	HA-1	Total/NA	Solid	8015 NM	
890-9237-3	HA-1	Total/NA	Solid	8015 NM	
890-9237-4	HA-2	Total/NA	Solid	8015 NM	
890-9237-5	HA-2	Total/NA	Solid	8015 NM	
890-9237-6	HA-3	Total/NA	Solid	8015 NM	
890-9237-7	HA-3	Total/NA	Solid	8015 NM	
890-9237-8	HA-4	Total/NA	Solid	8015 NM	
890-9237-9	HA-4	Total/NA	Solid	8015 NM	
890-9237-10	HA-5	Total/NA	Solid	8015 NM	
890-9237-11	HA-5	Total/NA	Solid	8015 NM	
890-9237-12	HA-6	Total/NA	Solid	8015 NM	
890-9237-13	HA-6	Total/NA	Solid	8015 NM	
890-9237-14	HA-7	Total/NA	Solid	8015 NM	
890-9237-15	HA-8	Total/NA	Solid	8015 NM	
890-9237-16	HA-9	Total/NA	Solid	8015 NM	
890-9237-17	HA-9	Total/NA	Solid	8015 NM	
890-9237-18	HA-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 126995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-13	HA-6	Soluble	Solid	DI Leach	
890-9237-14	HA-7	Soluble	Solid	DI Leach	
890-9237-15	HA-8	Soluble	Solid	DI Leach	
890-9237-16	HA-9	Soluble	Solid	DI Leach	
890-9237-17	HA-9	Soluble	Solid	DI Leach	
890-9237-18	HA-10	Soluble	Solid	DI Leach	
MB 880-126995/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126995/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126995/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 126997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-1	HA-1	Soluble	Solid	DI Leach	
890-9237-2	HA-1	Soluble	Solid	DI Leach	
890-9237-3	HA-1	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 126997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-4	HA-2	Soluble	Solid	DI Leach	
890-9237-5	HA-2	Soluble	Solid	DI Leach	
890-9237-6	HA-3	Soluble	Solid	DI Leach	
890-9237-7	HA-3	Soluble	Solid	DI Leach	
MB 880-126997/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126997/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126997/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 127033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-8	HA-4	Soluble	Solid	DI Leach	
890-9237-9	HA-4	Soluble	Solid	DI Leach	
890-9237-10	HA-5	Soluble	Solid	DI Leach	
890-9237-11	HA-5	Soluble	Solid	DI Leach	
890-9237-12	HA-6	Soluble	Solid	DI Leach	
MB 880-127033/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-127033/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-127033/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 127057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-1	HA-1	Soluble	Solid	300.0	126997
890-9237-2	HA-1	Soluble	Solid	300.0	126997
890-9237-3	HA-1	Soluble	Solid	300.0	126997
890-9237-4	HA-2	Soluble	Solid	300.0	126997
890-9237-5	HA-2	Soluble	Solid	300.0	126997
890-9237-6	HA-3	Soluble	Solid	300.0	126997
890-9237-7	HA-3	Soluble	Solid	300.0	126997
MB 880-126997/1-A	Method Blank	Soluble	Solid	300.0	126997
LCS 880-126997/2-A	Lab Control Sample	Soluble	Solid	300.0	126997
LCSD 880-126997/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126997

Analysis Batch: 127116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-13	HA-6	Soluble	Solid	300.0	126995
890-9237-14	HA-7	Soluble	Solid	300.0	126995
890-9237-15	HA-8	Soluble	Solid	300.0	126995
890-9237-16	HA-9	Soluble	Solid	300.0	126995
890-9237-17	HA-9	Soluble	Solid	300.0	126995
890-9237-18	HA-10	Soluble	Solid	300.0	126995
MB 880-126995/1-A	Method Blank	Soluble	Solid	300.0	126995
LCS 880-126995/2-A	Lab Control Sample	Soluble	Solid	300.0	126995
LCSD 880-126995/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126995

Analysis Batch: 127247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9237-8	HA-4	Soluble	Solid	300.0	127033
890-9237-9	HA-4	Soluble	Solid	300.0	127033
890-9237-10	HA-5	Soluble	Solid	300.0	127033
890-9237-11	HA-5	Soluble	Solid	300.0	127033
890-9237-12	HA-6	Soluble	Solid	300.0	127033

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 127247 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-127033/1-A	Method Blank	Soluble	Solid	300.0	127033
LCS 880-127033/2-A	Lab Control Sample	Soluble	Solid	300.0	127033
LCSD 880-127033/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	127033

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

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-1
Date Collected: 12/15/25 09:00
Date Received: 12/16/25 16:22

Lab Sample ID: 890-9237-1
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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 12:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 12:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 04:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 04:13	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	126997	12/17/25 13:59	SI	EET MID
Soluble	Analysis	300.0		20			127057	12/19/25 07:51	CS	EET MID

Client Sample ID: HA-1
Date Collected: 12/15/25 09:05
Date Received: 12/16/25 16:22

Lab Sample ID: 890-9237-2
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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 13:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 04:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 04:28	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126997	12/17/25 13:59	SI	EET MID
Soluble	Analysis	300.0		5			127057	12/18/25 18:25	CS	EET MID

Client Sample ID: HA-1
Date Collected: 12/15/25 09:10
Date Received: 12/16/25 16:22

Lab Sample ID: 890-9237-3
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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 13:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 04:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 04:43	SA	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126997	12/17/25 13:59	SI	EET MID
Soluble	Analysis	300.0		5			127057	12/18/25 18:32	CS	EET MID

Client Sample ID: HA-2
Date Collected: 12/15/25 09:15
Date Received: 12/16/25 16:22

Lab Sample ID: 890-9237-4
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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 13:48	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-2

Lab Sample ID: 890-9237-4

Date Collected: 12/15/25 09:15

Matrix: Solid

Date Received: 12/16/25 16:22

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			127498	12/23/25 04:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 04:58	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126997	12/17/25 13:59	SI	EET MID
Soluble	Analysis	300.0		10			127057	12/18/25 18:39	CS	EET MID

Client Sample ID: HA-2

Lab Sample ID: 890-9237-5

Date Collected: 12/15/25 09:20

Matrix: Solid

Date Received: 12/16/25 16:22

Prep 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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 14:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 05:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 05:27	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	126997	12/17/25 13:59	SI	EET MID
Soluble	Analysis	300.0		5			127057	12/18/25 18:46	CS	EET MID

Client Sample ID: HA-3

Lab Sample ID: 890-9237-6

Date Collected: 12/15/25 09:25

Matrix: Solid

Date Received: 12/16/25 16:22

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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 14:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 14:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 05:42	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 05:42	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126997	12/17/25 13:59	SI	EET MID
Soluble	Analysis	300.0		10			127057	12/18/25 18:53	CS	EET MID

Client Sample ID: HA-3

Lab Sample ID: 890-9237-7

Date Collected: 12/15/25 09:30

Matrix: Solid

Date Received: 12/16/25 16:22

Prep 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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 14:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 05:57	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 05:57	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-3

Date Collected: 12/15/25 09:30

Date Received: 12/16/25 16:22

Lab Sample ID: 890-9237-7

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			4.95 g	50 mL	126997	12/17/25 13:59	SI	EET MID
Soluble	Analysis	300.0		5			127057	12/18/25 19:00	CS	EET MID

Client Sample ID: HA-4

Date Collected: 12/15/25 09:35

Date Received: 12/16/25 16:22

Lab Sample ID: 890-9237-8

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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 15:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 15:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 06:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 06:12	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	127033	12/17/25 16:52	SI	EET MID
Soluble	Analysis	300.0		10			127247	12/19/25 18:10	CS	EET MID

Client Sample ID: HA-4

Date Collected: 12/15/25 09:40

Date Received: 12/16/25 16:22

Lab Sample ID: 890-9237-9

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			5.00 g	5 mL	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 17:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 06:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 06:26	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	127033	12/17/25 16:52	SI	EET MID
Soluble	Analysis	300.0		5			127247	12/19/25 18:15	CS	EET MID

Client Sample ID: HA-5

Date Collected: 12/15/25 09:45

Date Received: 12/16/25 16:22

Lab Sample ID: 890-9237-10

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			4.97 g	5 mL	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 17:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 06:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 06:42	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	127033	12/17/25 16:52	SI	EET MID
Soluble	Analysis	300.0		1			127247	12/19/25 18:21	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-5**Lab Sample ID: 890-9237-11****Date Collected: 12/15/25 09:50****Matrix: Solid****Date Received: 12/16/25 16:22**

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	127083	12/18/25 11:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127210	12/19/25 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/19/25 17:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 06:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 06:57	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	127033	12/17/25 16:52	SI	EET MID
Soluble	Analysis	300.0		1			127247	12/19/25 18:27	CS	EET MID

Client Sample ID: HA-6**Lab Sample ID: 890-9237-12****Date Collected: 12/15/25 09:55****Matrix: Solid****Date Received: 12/16/25 16:22**

Prep 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	127281	12/19/25 14:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127347	12/21/25 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/21/25 18:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 07:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 07:11	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	127033	12/17/25 16:52	SI	EET MID
Soluble	Analysis	300.0		1			127247	12/19/25 18:32	CS	EET MID

Client Sample ID: HA-6**Lab Sample ID: 890-9237-13****Date Collected: 12/15/25 10:00****Matrix: Solid****Date Received: 12/16/25 16:22**

Prep 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	127281	12/19/25 14:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127347	12/21/25 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/21/25 18:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/23/25 07:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 07:26	SA	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126995	12/17/25 13:56	SI	EET MID
Soluble	Analysis	300.0		1			127116	12/18/25 20:18	CS	EET MID

Client Sample ID: HA-7**Lab Sample ID: 890-9237-14****Date Collected: 12/15/25 10:05****Matrix: Solid****Date Received: 12/16/25 16:22**

Prep 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	127281	12/19/25 14:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127347	12/21/25 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/21/25 18:51	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-7

Lab Sample ID: 890-9237-14

Date Collected: 12/15/25 10:05

Matrix: Solid

Date Received: 12/16/25 16:22

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			127498	12/23/25 07:41	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126951	12/17/25 09:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127420	12/23/25 07:41	SA	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126995	12/17/25 13:56	SI	EET MID
Soluble	Analysis	300.0		1			127116	12/18/25 20:23	CS	EET MID

Client Sample ID: HA-8

Lab Sample ID: 890-9237-15

Date Collected: 12/15/25 10:10

Matrix: Solid

Date Received: 12/16/25 16:22

Prep 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	127281	12/19/25 14:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127347	12/21/25 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/21/25 19:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/21/25 18:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127012	12/17/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127353	12/21/25 18:39	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126995	12/17/25 13:56	SI	EET MID
Soluble	Analysis	300.0		1			127116	12/18/25 20:28	CS	EET MID

Client Sample ID: HA-9

Lab Sample ID: 890-9237-16

Date Collected: 12/15/25 10:15

Matrix: Solid

Date Received: 12/16/25 16:22

Prep 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	127281	12/19/25 14:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127347	12/21/25 19:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/21/25 19:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/21/25 19:23	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	127012	12/17/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127353	12/21/25 19:23	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126995	12/17/25 13:56	SI	EET MID
Soluble	Analysis	300.0		1			127116	12/18/25 20:33	CS	EET MID

Client Sample ID: HA-9

Lab Sample ID: 890-9237-17

Date Collected: 12/15/25 10:20

Matrix: Solid

Date Received: 12/16/25 16:22

Prep 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	127281	12/19/25 14:32	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127347	12/21/25 19:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/21/25 19:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/21/25 19:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	127012	12/17/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127353	12/21/25 19:37	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-9237-17

Date Collected: 12/15/25 10:20

Matrix: Solid

Date Received: 12/16/25 16:22

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	126995	12/17/25 13:56	SI	EET MID
Soluble	Analysis	300.0		1			127116	12/18/25 20:38	CS	EET MID

Client Sample ID: HA-10

Lab Sample ID: 890-9237-18

Date Collected: 12/15/25 10:25

Matrix: Solid

Date Received: 12/16/25 16:22

Prep 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	127272	12/19/25 13:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127349	12/22/25 01:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127311	12/22/25 01:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			127498	12/21/25 19:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	127012	12/17/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127353	12/21/25 19:53	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126995	12/17/25 13:56	SI	EET MID
Soluble	Analysis	300.0		1			127116	12/18/25 20:43	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
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9237-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9237-1	HA-1	Solid	12/15/25 09:00	12/16/25 16:22	0.5
890-9237-2	HA-1	Solid	12/15/25 09:05	12/16/25 16:22	2
890-9237-3	HA-1	Solid	12/15/25 09:10	12/16/25 16:22	4
890-9237-4	HA-2	Solid	12/15/25 09:15	12/16/25 16:22	0.5
890-9237-5	HA-2	Solid	12/15/25 09:20	12/16/25 16:22	2
890-9237-6	HA-3	Solid	12/15/25 09:25	12/16/25 16:22	0.5
890-9237-7	HA-3	Solid	12/15/25 09:30	12/16/25 16:22	2
890-9237-8	HA-4	Solid	12/15/25 09:35	12/16/25 16:22	0.5
890-9237-9	HA-4	Solid	12/15/25 09:40	12/16/25 16:22	2
890-9237-10	HA-5	Solid	12/15/25 09:45	12/16/25 16:22	0.5
890-9237-11	HA-5	Solid	12/15/25 09:50	12/16/25 16:22	3
890-9237-12	HA-6	Solid	12/15/25 09:55	12/16/25 16:22	0.5
890-9237-13	HA-6	Solid	12/15/25 10:00	12/16/25 16:22	3
890-9237-14	HA-7	Solid	12/15/25 10:05	12/16/25 16:22	0.5
890-9237-15	HA-8	Solid	12/15/25 10:10	12/16/25 16:22	0.5
890-9237-16	HA-9	Solid	12/15/25 10:15	12/16/25 16:22	0.5
890-9237-17	HA-9	Solid	12/15/25 10:20	12/16/25 16:22	1
890-9237-18	HA-10	Solid	12/15/25 10:25	12/16/25 16:22	0.5



Environment Testing
Xenco

Chain of Custody

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

Work

890-9237 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			

Project Name: Right Meow 31 CTB 7		Turn Around		Pres. Code	
Project Number: 7221		☒ Routine ☐ Rush			
Project Location: Lea County, NM		Due Date: Routine TAT			
Sampler's Name: Michael Benini		TAT starts the day received by the lab, if received by 4:30pm			
CCMO #:					

SAMPLE RECEIPT				Temp Blank:		Wet Ice:		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Samples Received Intact:		Yes No		Yes No		Yes No		Yes No		Yes No		Yes No		Yes No	
Cooler Custody Seals:		Yes No		Yes No		Yes No		Yes No		Yes No		Yes No		Yes No	
Sample Custody Seals:		Yes No		Yes No		Yes No		Yes No		Yes No		Yes No		Yes No	
Total Containers:		Yes No		Yes No		Yes No		Yes No		Yes No		Yes No		Yes No	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	TPH -NM	Chloride -NM	BTEX -NM	Hold						
HA-1	S	12.15.25	9:00	0.5	Grab/	1	X	X							
HA-1	S	12.15.25	9:05	2	Grab/	1	X	X							
HA-1	S	12.15.25	9:10	4	Grab/	1	X	X							
HA-2	S	12.15.25	9:15	0.5	Grab/	1	X	X							
HA-2	S	12.15.25	9:20	2	Grab/	1	X	X							
HA-3	S	12.15.25	9:25	0.5	Grab/	1	X	X							
HA-3	S	12.15.25	9:30	2	Grab/	1	X	X							
HA-4	S	12.15.25	9:35	0.5	Grab/	1	X	X							
HA-4	S	12.15.25	9:40	2	Grab/	1	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 Ti Sn U V Zn	
Circle Method(s) and Meta(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 \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Michael Benini</i>	<i>alben</i>	12/22/2025			
		4			
		6			

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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

Environment Testing
Xenco

Work Order No:

Page 2 of 2
www.xenco.com

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					
Project Name: Right Meow 31 CTB 7						Turn Around					
Project Number: 7221						☒ Routine ☐ Rush					
Project Location: Lea County, NM						Due Date: Routine TAT					
Sampler's Name: Michael Benini						TAT starts the day received by the lab, if received by 4:30pm					
CC/MO #:											
SAMPLE RECEIPT						Parameters					
Temp Blank: Yes No						Yes (No)					
Samples Received Intact: Yes No						Thermometer ID: TM-007					
Cooler Custody Seals: Yes No N/A						Correction Factor: -0.2					
Sample Custody Seals: Yes No N/A						Temperature Reading: -1.1					
Total Containers:						Corrected Temperature: -1.2					
Sample Identification						Matrix					
Date Sampled						Time Sampled					
Depth (feet)						Grab/Comp					
HA-5						S 12.15.25 9:45 0.5 Grab/ 1 X					
HA-5						S 12.15.25 9:50 3 Grab/ 1 X					
HA-6						S 12.15.25 9:55 0.5 Grab/ 1 X					
HA-6						S 12.15.25 10:00 3 Grab/ 1 X					
HA-7						S 12.15.25 10:05 0.5 Grab/ 1 X					
HA-8						S 12.15.25 10:10 0.5 Grab/ 1 X					
HA-9						S 12.15.25 10:15 0.5 Grab/ 1 X					
HA-9						S 12.15.25 10:20 1 Grab/ 1 X					
HA-10						S 12.15.25 10:25 0.5 Grab/ 1 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 Ti 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 \$55.00 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) Michael Benini						Received by: (Signature)					
Date/Time 16.2.24						Date/Time					

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Teel, Brianna		Carrier Tracking No(s): N/A		COC No: 890-6274-1	
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Brianna.Teel@eurofins.com		State of Origin: New Mexico		Page: Page 1 of 2	
Company: Eurofins Environment Testing South Cent		Due Date Requested: 12/22/2025		Accreditations Required (See note): NELAP - Texas		Job #: 890-9237-1		Preservation Codes:	
Address: 1211 W. Florida Ave,		City: Midland		State, Zip: TX, 79701		PO #: 432-704-5440(Tel)		Total Number of Containers	
Phone: 432-704-5440(Tel)		WO #: N/A		Project #: 88001228		Matrix (W=water, S=solid, O=organic, BT=tissue, A=air)		Other: N/A	
Email: N/A		SSOW#: N/A		Site: N/A		Sample Date		Special Instructions/Note:	
Project Name: Right Meow 31 CTB 7		Sample Time		Sample Date		Sample Type (C=Comp, G=grab)		Preservation Code:	
N/A		09:00		12/15/25		G		Solid	
HA-1 (890-9237-1)		Mountain		09:05		G		Solid	
HA-1 (890-9237-2)		Mountain		09:10		G		Solid	
HA-1 (890-9237-3)		Mountain		09:15		G		Solid	
HA-2 (890-9237-4)		Mountain		09:20		G		Solid	
HA-2 (890-9237-5)		Mountain		09:25		G		Solid	
HA-3 (890-9237-6)		Mountain		09:30		G		Solid	
HA-3 (890-9237-7)		Mountain		09:35		G		Solid	
HA-4 (890-9237-8)		Mountain		09:40		G		Solid	
HA-4 (890-9237-9)		Mountain		09:45		G		Solid	

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)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by: <i>[Signature]</i>		Time: Date: 12/16/25	
Relinquished by: <i>[Signature]</i>		Date/Time: 12/17/25	
Relinquished by: <i>[Signature]</i>		Date/Time: 12/17/25	
Relinquished by: <i>[Signature]</i>		Date/Time: 12/17/25	
Custody Seal Intact: ☐ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks: 2, 2/2.1 I.R.S. (-0.1)	

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9237-1

SDG Number: Lea County, NM

Login Number: 9237

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: 890-9237-1

SDG Number: Lea County, NM

Login Number: 9237

List Number: 2

Creator: Lee, Randall

List Source: Eurofins Midland

List Creation: 12/17/25 08:26 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	



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/21/2026 11:48:42 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9916-1

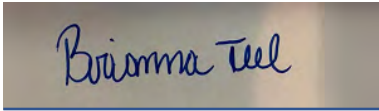
Eurofins Carlsbad

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
5/21/2026 11:48:42 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: Right Meow 31 CTB 7

Laboratory Job ID: 890-9916-1
SDG: Lea 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	21

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
Project: Right Meow 31 CTB 7

Job ID: 890-9916-1

Job ID: 890-9916-1

Eurofins Carlsbad

Job Narrative 890-9916-1

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 5/12/2026 1:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-11 (890-9916-1), HA-11 (890-9916-2) and HA-11 (890-9916-3).

GC VOA

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: HA-11 (890-9916-3) and (MB 880-140651/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-9916-1

Date Collected: 05/12/26 08:35

Matrix: Solid

Date Received: 05/12/26 13:48

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		05/13/26 08:39	05/13/26 15:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 15:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 15:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/26 08:39	05/13/26 15:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 15:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/26 08:39	05/13/26 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/13/26 08:39	05/13/26 15:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/13/26 08:39	05/13/26 15:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/13/26 15:51	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			05/14/26 06:21	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		05/12/26 08:45	05/14/26 06:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/26 08:45	05/14/26 06:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/26 08:45	05/14/26 06:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	05/12/26 08:45	05/14/26 06:21	1
o-Terphenyl	118		70 - 130	05/12/26 08:45	05/14/26 06:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	371		9.98		mg/Kg			05/13/26 13:18	1

Client Sample ID: HA-11

Lab Sample ID: 890-9916-2

Date Collected: 05/12/26 09:30

Matrix: Solid

Date Received: 05/12/26 13:48

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		05/13/26 08:39	05/13/26 16:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 16:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 16:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/26 08:39	05/13/26 16:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 16:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/26 08:39	05/13/26 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/13/26 08:39	05/13/26 16:12	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-9916-2

Date Collected: 05/12/26 09:30

Matrix: Solid

Date Received: 05/12/26 13:48

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	05/13/26 08:39	05/13/26 16:12	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			05/13/26 16:12	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			05/14/26 06:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/12/26 08:45	05/14/26 06:42	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/12/26 08:45	05/14/26 06:42	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/12/26 08:45	05/14/26 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/12/26 08:45	05/14/26 06:42	1
o-Terphenyl	108		70 - 130				05/12/26 08:45	05/14/26 06:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.0		10.0		mg/Kg			05/13/26 13:23	1

Client Sample ID: HA-11

Lab Sample ID: 890-9916-3

Date Collected: 05/12/26 09:33

Matrix: Solid

Date Received: 05/12/26 13:48

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		05/13/26 08:39	05/13/26 16:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/26 08:39	05/13/26 16:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/26 08:39	05/13/26 16:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/26 08:39	05/13/26 16:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/26 08:39	05/13/26 16:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/26 08:39	05/13/26 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/13/26 08:39	05/13/26 16:33	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/13/26 08:39	05/13/26 16:33	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			05/13/26 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/14/26 16:07	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Client Sample ID: HA-11
Date Collected: 05/12/26 09:33
Date Received: 05/12/26 13:48
Sample Depth: 4

Lab Sample ID: 890-9916-3
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	<50.1	U	50.1		mg/Kg		05/12/26 17:46	05/14/26 16:07	1	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/12/26 17:46	05/14/26 16:07	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/12/26 17:46	05/14/26 16:07	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130				05/12/26 17:46	05/14/26 16:07	1	
o-Terphenyl	154	S1+	70 - 130				05/12/26 17:46	05/14/26 16:07	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	111		9.98		mg/Kg			05/13/26 12:22	1	

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9916-1	HA-11	91	97
890-9916-2	HA-11	97	94
890-9916-3	HA-11	99	94
LCS 880-140662/1-A	Lab Control Sample	87	105
LCSD 880-140662/2-A	Lab Control Sample Dup	93	100
MB 880-140662/5-A	Method Blank	100	97
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)
890-9916-1	HA-11	113	118
890-9916-2	HA-11	101	108
890-9916-3	HA-11	120	154 S1+
890-9916-3 MS	HA-11	90	89
890-9916-3 MSD	HA-11	90	84
LCS 880-140583/2-A	Lab Control Sample	83	79
LCS 880-140651/2-A	Lab Control Sample	112	109
LCSD 880-140583/3-A	Lab Control Sample Dup	80	81
LCSD 880-140651/3-A	Lab Control Sample Dup	110	104
MB 880-140583/1-A	Method Blank	75	82
MB 880-140651/1-A	Method Blank	128	136 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-140662/5-A

Matrix: Solid

Analysis Batch: 140687

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 13:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 13:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 13:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/26 08:39	05/13/26 13:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/26 08:39	05/13/26 13:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/26 08:39	05/13/26 13:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/13/26 08:39	05/13/26 13:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/13/26 08:39	05/13/26 13:30	1

Lab Sample ID: LCS 880-140662/1-A

Matrix: Solid

Analysis Batch: 140687

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09679		mg/Kg		97	70 - 130
Toluene	0.100	0.09027		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09127		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1785		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08756		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-140662/2-A

Matrix: Solid

Analysis Batch: 140687

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140662

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09052		mg/Kg		91	70 - 130	7	35
Toluene	0.100	0.08894		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.09231		mg/Kg		92	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1838		mg/Kg		92	70 - 130	3	35
o-Xylene	0.100	0.09043		mg/Kg		90	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-140583/1-A

Matrix: Solid

Analysis Batch: 140700

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140583

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		05/12/26 08:45	05/13/26 22:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/26 08:45	05/13/26 22:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/26 08:45	05/13/26 22:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				05/12/26 08:45	05/13/26 22:11	1
o-Terphenyl	82		70 - 130				05/12/26 08:45	05/13/26 22:11	1

Lab Sample ID: LCS 880-140583/2-A

Matrix: Solid

Analysis Batch: 140700

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	890.8		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.6		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	83		70 - 130				
o-Terphenyl	79		70 - 130				

Lab Sample ID: LCSD 880-140583/3-A

Matrix: Solid

Analysis Batch: 140700

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140583

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	842.4		mg/Kg		84	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	994.4		mg/Kg		99	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	80		70 - 130						
o-Terphenyl	81		70 - 130						

Lab Sample ID: MB 880-140651/1-A

Matrix: Solid

Analysis Batch: 140792

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140651

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		05/12/26 17:46	05/14/26 15:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/26 17:46	05/14/26 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/26 17:46	05/14/26 15:18	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-140651/1-A

Matrix: Solid

Analysis Batch: 140792

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140651

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	05/12/26 17:46	05/14/26 15:18	1
o-Terphenyl	136	S1+	70 - 130	05/12/26 17:46	05/14/26 15:18	1

Lab Sample ID: LCS 880-140651/2-A

Matrix: Solid

Analysis Batch: 140792

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1053		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1086		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-140651/3-A

Matrix: Solid

Analysis Batch: 140792

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140651

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	981.2		mg/Kg		98	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1043		mg/Kg		104	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 890-9916-3 MS

Matrix: Solid

Analysis Batch: 140792

Client Sample ID: HA-11

Prep Type: Total/NA

Prep Batch: 140651

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	999	828.4		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	999	783.1		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	89		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9916-3 MSD

Matrix: Solid

Analysis Batch: 140792

Client Sample ID: HA-11

Prep Type: Total/NA

Prep Batch: 140651

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	999	891.1		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.1	U	999	811.1		mg/Kg		79	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	84		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-140663/1-A

Matrix: Solid

Analysis Batch: 140686

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			05/13/26 11:05	1

Lab Sample ID: LCS 880-140663/2-A

Matrix: Solid

Analysis Batch: 140686

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.9		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-140663/3-A

Matrix: Solid

Analysis Batch: 140686

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	245.2		mg/Kg		98	90 - 110	1	20

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

GC VOA

Prep Batch: 140662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-1	HA-11	Total/NA	Solid	5035	
890-9916-2	HA-11	Total/NA	Solid	5035	
890-9916-3	HA-11	Total/NA	Solid	5035	
MB 880-140662/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140662/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140662/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 140687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-1	HA-11	Total/NA	Solid	8021B	140662
890-9916-2	HA-11	Total/NA	Solid	8021B	140662
890-9916-3	HA-11	Total/NA	Solid	8021B	140662
MB 880-140662/5-A	Method Blank	Total/NA	Solid	8021B	140662
LCS 880-140662/1-A	Lab Control Sample	Total/NA	Solid	8021B	140662
LCSD 880-140662/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140662

Analysis Batch: 140854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-1	HA-11	Total/NA	Solid	Total BTEX	
890-9916-2	HA-11	Total/NA	Solid	Total BTEX	
890-9916-3	HA-11	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 140583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-1	HA-11	Total/NA	Solid	8015NM Prep	
890-9916-2	HA-11	Total/NA	Solid	8015NM Prep	
MB 880-140583/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140583/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140583/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 140651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-3	HA-11	Total/NA	Solid	8015NM Prep	
MB 880-140651/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140651/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9916-3 MS	HA-11	Total/NA	Solid	8015NM Prep	
890-9916-3 MSD	HA-11	Total/NA	Solid	8015NM Prep	

Analysis Batch: 140700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-1	HA-11	Total/NA	Solid	8015B NM	140583
890-9916-2	HA-11	Total/NA	Solid	8015B NM	140583
MB 880-140583/1-A	Method Blank	Total/NA	Solid	8015B NM	140583
LCS 880-140583/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140583
LCSD 880-140583/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140583

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 140792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-3	HA-11	Total/NA	Solid	8015B NM	140651
MB 880-140651/1-A	Method Blank	Total/NA	Solid	8015B NM	140651
LCS 880-140651/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140651
LCSD 880-140651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140651
890-9916-3 MS	HA-11	Total/NA	Solid	8015B NM	140651
890-9916-3 MSD	HA-11	Total/NA	Solid	8015B NM	140651

Analysis Batch: 140899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-1	HA-11	Total/NA	Solid	8015 NM	
890-9916-2	HA-11	Total/NA	Solid	8015 NM	
890-9916-3	HA-11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 140663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-1	HA-11	Soluble	Solid	DI Leach	
890-9916-2	HA-11	Soluble	Solid	DI Leach	
890-9916-3	HA-11	Soluble	Solid	DI Leach	
MB 880-140663/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140663/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-140663/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 140686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9916-1	HA-11	Soluble	Solid	300.0	140663
890-9916-2	HA-11	Soluble	Solid	300.0	140663
890-9916-3	HA-11	Soluble	Solid	300.0	140663
MB 880-140663/1-A	Method Blank	Soluble	Solid	300.0	140663
LCS 880-140663/2-A	Lab Control Sample	Soluble	Solid	300.0	140663
LCSD 880-140663/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140663

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-9916-1

Date Collected: 05/12/26 08:35

Matrix: Solid

Date Received: 05/12/26 13:48

Prep 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	140662	05/13/26 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140687	05/13/26 15:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140854	05/13/26 15:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			140899	05/14/26 06:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	140583	05/12/26 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140700	05/14/26 06:21	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140663	05/13/26 08:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140686	05/13/26 13:18	CS	EET MID

Client Sample ID: HA-11

Lab Sample ID: 890-9916-2

Date Collected: 05/12/26 09:30

Matrix: Solid

Date Received: 05/12/26 13:48

Prep 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	140662	05/13/26 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140687	05/13/26 16:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140854	05/13/26 16:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			140899	05/14/26 06:42	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140583	05/12/26 08:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140700	05/14/26 06:42	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140663	05/13/26 08:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140686	05/13/26 13:23	CS	EET MID

Client Sample ID: HA-11

Lab Sample ID: 890-9916-3

Date Collected: 05/12/26 09:33

Matrix: Solid

Date Received: 05/12/26 13:48

Prep 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	140662	05/13/26 08:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140687	05/13/26 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140854	05/13/26 16:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			140899	05/14/26 16:07	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140651	05/12/26 17:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140792	05/14/26 16:07	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140663	05/13/26 08:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140686	05/13/26 12:22	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9916-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9916-1	HA-11	Solid	05/12/26 08:35	05/12/26 13:48	0.5
890-9916-2	HA-11	Solid	05/12/26 09:30	05/12/26 13:48	2
890-9916-3	HA-11	Solid	05/12/26 09:33	05/12/26 13:48	4

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9916-1

SDG Number: Lea County, NM

Login Number: 9916

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: 890-9916-1

SDG Number: Lea County, NM

Login Number: 9916

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 05/13/26 08:15 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	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/18/2026 11:23:31 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9924-1

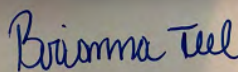
Eurofins Carlsbad

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
5/18/2026 11:23:31 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: Right Meow 31 CTB 7

Laboratory Job ID: 890-9924-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	13
QC Sample Results	14
QC Association Summary	18
Lab Chronicle	21
Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	28

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: Right Meow 31 CTB 7

Job ID: 890-9924-1

Job ID: 890-9924-1

Eurofins Carlsbad

Job Narrative 890-9924-1

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 5/13/2026 2:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-4 (890-9924-1), CS-5 (890-9924-2), CS-6 (890-9924-3), CS-7 (890-9924-4), CS-8 (890-9924-5), CS-9 (890-9924-6), CS-11 (890-9924-7) and CS-24 (890-9924-8).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-140890/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-140890 and analytical batch 880-140919 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-140773/2-A) and (LCSD 880-140773/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-4 (890-9924-1), CS-5 (890-9924-2), CS-6 (890-9924-3) and CS-7 (890-9924-4). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-11 (890-9924-7) and CS-24 (890-9924-8). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-140789 and analytical batch 880-140875 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-4

Lab Sample ID: 890-9924-1

Date Collected: 05/13/26 09:49

Matrix: Solid

Date Received: 05/13/26 14:11

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 22:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 22:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 22:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/26 08:13	05/14/26 22:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 22:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 08:13	05/14/26 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/14/26 08:13	05/14/26 22:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/14/26 08:13	05/14/26 22:31	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			05/14/26 22:31	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			05/16/26 02:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 02:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 02:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	05/14/26 08:11	05/16/26 02:42	1
o-Terphenyl	57	S1-	70 - 130	05/14/26 08:11	05/16/26 02:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6010		99.0		mg/Kg			05/15/26 04:08	10

Client Sample ID: CS-5

Lab Sample ID: 890-9924-2

Date Collected: 05/13/26 09:42

Matrix: Solid

Date Received: 05/13/26 14:11

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		05/14/26 08:13	05/14/26 22:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 22:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 22:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/14/26 08:13	05/14/26 22:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 22:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/14/26 08:13	05/14/26 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/14/26 08:13	05/14/26 22:52	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-5

Lab Sample ID: 890-9924-2

Date Collected: 05/13/26 09:42

Matrix: Solid

Date Received: 05/13/26 14:11

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	05/14/26 08:13	05/14/26 22:52	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			05/14/26 22:52	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			05/16/26 02:57	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		05/14/26 08:11	05/16/26 02:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 08:11	05/16/26 02:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 08:11	05/16/26 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				05/14/26 08:11	05/16/26 02:57	1
o-Terphenyl	67	S1-	70 - 130				05/14/26 08:11	05/16/26 02:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		49.7		mg/Kg			05/15/26 04:21	5

Client Sample ID: CS-6

Lab Sample ID: 890-9924-3

Date Collected: 05/13/26 10:12

Matrix: Solid

Date Received: 05/13/26 14:11

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 23:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 23:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 23:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/14/26 08:13	05/14/26 23:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/26 08:13	05/14/26 23:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/26 08:13	05/14/26 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/14/26 08:13	05/14/26 23:12	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/14/26 08:13	05/14/26 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			05/14/26 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			05/16/26 03:12	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-6

Lab Sample ID: 890-9924-3

Date Collected: 05/13/26 10:12

Matrix: Solid

Date Received: 05/13/26 14:11

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 03:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 03:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 03:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/14/26 08:11	05/16/26 03:12	1
o-Terphenyl	61	S1-	70 - 130				05/14/26 08:11	05/16/26 03:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1660		49.8		mg/Kg			05/15/26 04:34	5

Client Sample ID: CS-7

Lab Sample ID: 890-9924-4

Date Collected: 05/13/26 10:18

Matrix: Solid

Date Received: 05/13/26 14:11

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		05/14/26 08:13	05/14/26 23:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 23:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 23:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/14/26 08:13	05/14/26 23:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/14/26 23:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/14/26 08:13	05/14/26 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				05/14/26 08:13	05/14/26 23:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/14/26 08:13	05/14/26 23:33	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			05/14/26 23:33	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			05/16/26 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	<49.8	U	49.8		mg/Kg		05/14/26 08:11	05/16/26 03:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/26 08:11	05/16/26 03:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/26 08:11	05/16/26 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/14/26 08:11	05/16/26 03:27	1
o-Terphenyl	67	S1-	70 - 130				05/14/26 08:11	05/16/26 03:27	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-7

Lab Sample ID: 890-9924-4

Date Collected: 05/13/26 10:18

Matrix: Solid

Date Received: 05/13/26 14:11

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		10.0		mg/Kg			05/15/26 04:48	1

Client Sample ID: CS-8

Lab Sample ID: 890-9924-5

Date Collected: 05/13/26 09:55

Matrix: Solid

Date Received: 05/13/26 14:11

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 23:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 23:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 23:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/14/26 08:13	05/14/26 23:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/14/26 08:13	05/14/26 23:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/14/26 08:13	05/14/26 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/14/26 08:13	05/14/26 23:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/14/26 08:13	05/14/26 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			05/14/26 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			05/16/26 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 03:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 03:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				05/14/26 08:11	05/16/26 03:42	1
o-Terphenyl	86		70 - 130				05/14/26 08:11	05/16/26 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		50.4		mg/Kg			05/15/26 05:28	5

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-9

Lab Sample ID: 890-9924-6

Date Collected: 05/13/26 09:39

Matrix: Solid

Date Received: 05/13/26 14:11

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		05/14/26 08:13	05/15/26 00:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/15/26 00:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/15/26 00:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/14/26 08:13	05/15/26 00:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/14/26 08:13	05/15/26 00:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/14/26 08:13	05/15/26 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/14/26 08:13	05/15/26 00:14	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/14/26 08:13	05/15/26 00:14	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			05/15/26 00:14	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			05/16/26 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 03:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 03:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	05/14/26 08:11	05/16/26 03:57	1
o-Terphenyl	77		70 - 130	05/14/26 08:11	05/16/26 03:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		49.6		mg/Kg			05/15/26 05:41	5

Client Sample ID: CS-11

Lab Sample ID: 890-9924-7

Date Collected: 05/13/26 10:22

Matrix: Solid

Date Received: 05/13/26 14:11

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		05/14/26 08:13	05/15/26 00:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/15/26 00:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/15/26 00:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/15/26 00:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/15/26 00:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/15/26 00:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/14/26 08:13	05/15/26 00:35	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-11

Lab Sample ID: 890-9924-7

Date Collected: 05/13/26 10:22

Matrix: Solid

Date Received: 05/13/26 14:11

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	05/14/26 08:13	05/15/26 00:35	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			05/15/26 00:35	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			05/16/26 04:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 04:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/14/26 08:11	05/16/26 04:12	1
o-Terphenyl	64	S1-	70 - 130				05/14/26 08:11	05/16/26 04:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2260		49.8		mg/Kg			05/15/26 06:21	5

Client Sample ID: CS-24

Lab Sample ID: 890-9924-8

Date Collected: 05/13/26 10:05

Matrix: Solid

Date Received: 05/13/26 14:11

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 *- *1	0.00199		mg/Kg		05/14/26 16:26	05/15/26 18:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/14/26 16:26	05/15/26 18:25	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		05/14/26 16:26	05/15/26 18:25	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		05/14/26 16:26	05/15/26 18:25	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		05/14/26 16:26	05/15/26 18:25	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		05/14/26 16:26	05/15/26 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/14/26 16:26	05/15/26 18:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/14/26 16:26	05/15/26 18:25	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			05/15/26 18:25	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			05/16/26 04:42	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-24

Lab Sample ID: 890-9924-8

Date Collected: 05/13/26 10:05

Matrix: Solid

Date Received: 05/13/26 14:11

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	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 04:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 04:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/26 08:11	05/16/26 04:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/14/26 08:11	05/16/26 04:42	1
o-Terphenyl	63	S1-	70 - 130				05/14/26 08:11	05/16/26 04:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		9.98		mg/Kg			05/15/26 06:34	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-71106-A-25-C MB	Method Blank	96	99				
890-9924-1	CS-4	121	97				
890-9924-2	CS-5	109	90				
890-9924-3	CS-6	108	93				
890-9924-4	CS-7	120	99				
890-9924-5	CS-8	114	92				
890-9924-6	CS-9	108	97				
890-9924-7	CS-11	117	99				
890-9924-8	CS-24	93	101				
LCS 880-140778/1-A	Lab Control Sample	82	107				
LCS 880-140890/1-A	Lab Control Sample	88	0.8 S1-				
LCSD 880-140778/2-A	Lab Control Sample Dup	85	102				
LCSD 880-140890/2-A	Lab Control Sample Dup	90	101				
MB 880-140778/5-A	Method Blank	113	87				
MB 880-140890/5-A	Method Blank	87	95				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
890-9924-1	CS-4	93	57 S1-				
890-9924-2	CS-5	106	67 S1-				
890-9924-3	CS-6	97	61 S1-				
890-9924-4	CS-7	98	67 S1-				
890-9924-5	CS-8	113	86				
890-9924-6	CS-9	112	77				
890-9924-7	CS-11	101	64 S1-				
890-9924-8	CS-24	98	63 S1-				
LCS 880-140773/2-A	Lab Control Sample	87	64 S1-				
LCSD 880-140773/3-A	Lab Control Sample Dup	85	61 S1-				
MB 880-140773/1-A	Method Blank	102	75				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-140778/5-A

Matrix: Solid

Analysis Batch: 140870

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 16:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 16:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 16:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 16:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 08:13	05/14/26 16:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 08:13	05/14/26 16:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	05/14/26 08:13	05/14/26 16:47	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/14/26 08:13	05/14/26 16:47	1

Lab Sample ID: LCS 880-140778/1-A

Matrix: Solid

Analysis Batch: 140870

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1058		mg/Kg		106	70 - 130
Toluene	0.100	0.09434		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08631		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09325		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-140778/2-A

Matrix: Solid

Analysis Batch: 140870

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140778

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1077		mg/Kg		108	70 - 130	2	35
Toluene	0.100	0.09502		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.1206		mg/Kg		121	70 - 130	33	35
m-Xylene & p-Xylene	0.200	0.2186		mg/Kg		109	70 - 130	18	35
o-Xylene	0.100	0.09728		mg/Kg		97	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-71106-A-25-C MB

Matrix: Solid

Analysis Batch: 140919

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 17:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 17:44	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

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

Lab Sample ID: 880-71106-A-25-C MB

Matrix: Solid

Analysis Batch: 140919

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 17:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 17:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 17:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 17:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/14/26 16:26	05/15/26 17:44	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/14/26 16:26	05/15/26 17:44	1

Lab Sample ID: MB 880-140890/5-A

Matrix: Solid

Analysis Batch: 140919

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/26 16:26	05/15/26 12:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/26 16:26	05/15/26 12:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/14/26 16:26	05/15/26 12:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/14/26 16:26	05/15/26 12:42	1

Lab Sample ID: LCS 880-140890/1-A

Matrix: Solid

Analysis Batch: 140919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	<0.00139	U *	mg/Kg		0.4	70 - 130
Toluene	0.100	0.07867		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.06213	*	mg/Kg		62	70 - 130
m-Xylene & p-Xylene	0.200	0.1116	*	mg/Kg		56	70 - 130
o-Xylene	0.100	0.06000	*	mg/Kg		60	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	0.8	S1-	70 - 130

Lab Sample ID: LCSD 880-140890/2-A

Matrix: Solid

Analysis Batch: 140919

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140890

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08923	*1	mg/Kg		89	70 - 130	198	35
Toluene	0.100	0.08754		mg/Kg		88	70 - 130	11	35
Ethylbenzene	0.100	0.08453		mg/Kg		85	70 - 130	31	35

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-140890/2-A

Matrix: Solid

Analysis Batch: 140919

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140890

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.200	0.1697	*1	mg/Kg		85	70 - 130	41	35
o-Xylene	0.100	0.08626	*1	mg/Kg		86	70 - 130	36	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-140773/1-A

Matrix: Solid

Analysis Batch: 140935

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140773

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		05/14/26 08:11	05/16/26 00:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 00:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/26 08:11	05/16/26 00:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	05/14/26 08:11	05/16/26 00:41	1
o-Terphenyl	75		70 - 130	05/14/26 08:11	05/16/26 00:41	1

Lab Sample ID: LCS 880-140773/2-A

Matrix: Solid

Analysis Batch: 140935

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1158		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	852.0		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	64	S1-	70 - 130

Lab Sample ID: LCSD 880-140773/3-A

Matrix: Solid

Analysis Batch: 140935

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1177		mg/Kg		118	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	850.1		mg/Kg		85	70 - 130	0	20

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-140773/3-A

Matrix: Solid

Analysis Batch: 140935

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140773

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	61	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-140789/1-A

Matrix: Solid

Analysis Batch: 140875

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/15/26 01:01	1

Lab Sample ID: LCS 880-140789/2-A

Matrix: Solid

Analysis Batch: 140875

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	251.0		mg/Kg		100	90 - 110	

Lab Sample ID: LCSD 880-140789/3-A

Matrix: Solid

Analysis Batch: 140875

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	250.9		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-9924-4 MS

Matrix: Solid

Analysis Batch: 140875

Client Sample ID: CS-7

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1250		251	1478	4	mg/Kg		89	90 - 110	

Lab Sample ID: 890-9924-4 MSD

Matrix: Solid

Analysis Batch: 140875

Client Sample ID: CS-7

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1250		251	1479	4	mg/Kg		90	90 - 110	0	20

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

GC VOA

Prep Batch: 140778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-1	CS-4	Total/NA	Solid	5035	
890-9924-2	CS-5	Total/NA	Solid	5035	
890-9924-3	CS-6	Total/NA	Solid	5035	
890-9924-4	CS-7	Total/NA	Solid	5035	
890-9924-5	CS-8	Total/NA	Solid	5035	
890-9924-6	CS-9	Total/NA	Solid	5035	
890-9924-7	CS-11	Total/NA	Solid	5035	
MB 880-140778/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140778/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140778/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 140870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-1	CS-4	Total/NA	Solid	8021B	140778
890-9924-2	CS-5	Total/NA	Solid	8021B	140778
890-9924-3	CS-6	Total/NA	Solid	8021B	140778
890-9924-4	CS-7	Total/NA	Solid	8021B	140778
890-9924-5	CS-8	Total/NA	Solid	8021B	140778
890-9924-6	CS-9	Total/NA	Solid	8021B	140778
890-9924-7	CS-11	Total/NA	Solid	8021B	140778
MB 880-140778/5-A	Method Blank	Total/NA	Solid	8021B	140778
LCS 880-140778/1-A	Lab Control Sample	Total/NA	Solid	8021B	140778
LCSD 880-140778/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140778

Prep Batch: 140890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-8	CS-24	Total/NA	Solid	5035	
880-71106-A-25-C MB	Method Blank	Total/NA	Solid	5035	
MB 880-140890/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-140890/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-140890/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 140919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-8	CS-24	Total/NA	Solid	8021B	140890
880-71106-A-25-C MB	Method Blank	Total/NA	Solid	8021B	140890
MB 880-140890/5-A	Method Blank	Total/NA	Solid	8021B	140890
LCS 880-140890/1-A	Lab Control Sample	Total/NA	Solid	8021B	140890
LCSD 880-140890/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	140890

Analysis Batch: 140998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-1	CS-4	Total/NA	Solid	Total BTEX	
890-9924-2	CS-5	Total/NA	Solid	Total BTEX	
890-9924-3	CS-6	Total/NA	Solid	Total BTEX	
890-9924-4	CS-7	Total/NA	Solid	Total BTEX	
890-9924-5	CS-8	Total/NA	Solid	Total BTEX	
890-9924-6	CS-9	Total/NA	Solid	Total BTEX	
890-9924-7	CS-11	Total/NA	Solid	Total BTEX	
890-9924-8	CS-24	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 140773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-1	CS-4	Total/NA	Solid	8015NM Prep	
890-9924-2	CS-5	Total/NA	Solid	8015NM Prep	
890-9924-3	CS-6	Total/NA	Solid	8015NM Prep	
890-9924-4	CS-7	Total/NA	Solid	8015NM Prep	
890-9924-5	CS-8	Total/NA	Solid	8015NM Prep	
890-9924-6	CS-9	Total/NA	Solid	8015NM Prep	
890-9924-7	CS-11	Total/NA	Solid	8015NM Prep	
890-9924-8	CS-24	Total/NA	Solid	8015NM Prep	
MB 880-140773/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140773/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140773/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 140935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-1	CS-4	Total/NA	Solid	8015B NM	140773
890-9924-2	CS-5	Total/NA	Solid	8015B NM	140773
890-9924-3	CS-6	Total/NA	Solid	8015B NM	140773
890-9924-4	CS-7	Total/NA	Solid	8015B NM	140773
890-9924-5	CS-8	Total/NA	Solid	8015B NM	140773
890-9924-6	CS-9	Total/NA	Solid	8015B NM	140773
890-9924-7	CS-11	Total/NA	Solid	8015B NM	140773
890-9924-8	CS-24	Total/NA	Solid	8015B NM	140773
MB 880-140773/1-A	Method Blank	Total/NA	Solid	8015B NM	140773
LCS 880-140773/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140773
LCSD 880-140773/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140773

Analysis Batch: 141086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-1	CS-4	Total/NA	Solid	8015 NM	
890-9924-2	CS-5	Total/NA	Solid	8015 NM	
890-9924-3	CS-6	Total/NA	Solid	8015 NM	
890-9924-4	CS-7	Total/NA	Solid	8015 NM	
890-9924-5	CS-8	Total/NA	Solid	8015 NM	
890-9924-6	CS-9	Total/NA	Solid	8015 NM	
890-9924-7	CS-11	Total/NA	Solid	8015 NM	
890-9924-8	CS-24	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 140789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-1	CS-4	Soluble	Solid	DI Leach	
890-9924-2	CS-5	Soluble	Solid	DI Leach	
890-9924-3	CS-6	Soluble	Solid	DI Leach	
890-9924-4	CS-7	Soluble	Solid	DI Leach	
890-9924-5	CS-8	Soluble	Solid	DI Leach	
890-9924-6	CS-9	Soluble	Solid	DI Leach	
890-9924-7	CS-11	Soluble	Solid	DI Leach	
890-9924-8	CS-24	Soluble	Solid	DI Leach	
MB 880-140789/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-140789/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 140789 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-140789/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9924-4 MS	CS-7	Soluble	Solid	DI Leach	
890-9924-4 MSD	CS-7	Soluble	Solid	DI Leach	

Analysis Batch: 140875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9924-1	CS-4	Soluble	Solid	300.0	140789
890-9924-2	CS-5	Soluble	Solid	300.0	140789
890-9924-3	CS-6	Soluble	Solid	300.0	140789
890-9924-4	CS-7	Soluble	Solid	300.0	140789
890-9924-5	CS-8	Soluble	Solid	300.0	140789
890-9924-6	CS-9	Soluble	Solid	300.0	140789
890-9924-7	CS-11	Soluble	Solid	300.0	140789
890-9924-8	CS-24	Soluble	Solid	300.0	140789
MB 880-140789/1-A	Method Blank	Soluble	Solid	300.0	140789
LCS 880-140789/2-A	Lab Control Sample	Soluble	Solid	300.0	140789
LCSD 880-140789/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	140789
890-9924-4 MS	CS-7	Soluble	Solid	300.0	140789
890-9924-4 MSD	CS-7	Soluble	Solid	300.0	140789

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-4

Lab Sample ID: 890-9924-1

Date Collected: 05/13/26 09:49

Matrix: Solid

Date Received: 05/13/26 14:11

Prep 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	140778	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140870	05/14/26 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140998	05/14/26 22:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			141086	05/16/26 02:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	140773	05/14/26 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140935	05/16/26 02:42	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	140789	05/14/26 09:04	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	140875	05/15/26 04:08	CS	EET MID

Client Sample ID: CS-5

Lab Sample ID: 890-9924-2

Date Collected: 05/13/26 09:42

Matrix: Solid

Date Received: 05/13/26 14:11

Prep 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	140778	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140870	05/14/26 22:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140998	05/14/26 22:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			141086	05/16/26 02:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	140773	05/14/26 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140935	05/16/26 02:57	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	140789	05/14/26 09:04	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	140875	05/15/26 04:21	CS	EET MID

Client Sample ID: CS-6

Lab Sample ID: 890-9924-3

Date Collected: 05/13/26 10:12

Matrix: Solid

Date Received: 05/13/26 14:11

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	140778	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140870	05/14/26 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140998	05/14/26 23:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			141086	05/16/26 03:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	140773	05/14/26 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140935	05/16/26 03:12	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	140789	05/14/26 09:04	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	140875	05/15/26 04:34	CS	EET MID

Client Sample ID: CS-7

Lab Sample ID: 890-9924-4

Date Collected: 05/13/26 10:18

Matrix: Solid

Date Received: 05/13/26 14:11

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	140778	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140870	05/14/26 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140998	05/14/26 23:33	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-7

Lab Sample ID: 890-9924-4

Date Collected: 05/13/26 10:18

Matrix: Solid

Date Received: 05/13/26 14:11

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			141086	05/16/26 03:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	140773	05/14/26 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140935	05/16/26 03:27	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	140789	05/14/26 09:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140875	05/15/26 04:48	CS	EET MID

Client Sample ID: CS-8

Lab Sample ID: 890-9924-5

Date Collected: 05/13/26 09:55

Matrix: Solid

Date Received: 05/13/26 14:11

Prep 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	140778	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140870	05/14/26 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140998	05/14/26 23:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			141086	05/16/26 03:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	140773	05/14/26 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140935	05/16/26 03:42	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	140789	05/14/26 09:04	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	140875	05/15/26 05:28	CS	EET MID

Client Sample ID: CS-9

Lab Sample ID: 890-9924-6

Date Collected: 05/13/26 09:39

Matrix: Solid

Date Received: 05/13/26 14:11

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	140778	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140870	05/15/26 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140998	05/15/26 00:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			141086	05/16/26 03:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140773	05/14/26 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140935	05/16/26 03:57	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	140789	05/14/26 09:04	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	140875	05/15/26 05:41	CS	EET MID

Client Sample ID: CS-11

Lab Sample ID: 890-9924-7

Date Collected: 05/13/26 10:22

Matrix: Solid

Date Received: 05/13/26 14:11

Prep 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	140778	05/14/26 08:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140870	05/15/26 00:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140998	05/15/26 00:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			141086	05/16/26 04:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	140773	05/14/26 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140935	05/16/26 04:12	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Client Sample ID: CS-11

Date Collected: 05/13/26 10:22

Date Received: 05/13/26 14:11

Lab Sample ID: 890-9924-7

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	140789	05/14/26 09:04	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	140875	05/15/26 06:21	CS	EET MID

Client Sample ID: CS-24

Date Collected: 05/13/26 10:05

Date Received: 05/13/26 14:11

Lab Sample ID: 890-9924-8

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	140890	05/14/26 16:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	140919	05/15/26 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			140998	05/15/26 18:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			141086	05/16/26 04:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	140773	05/14/26 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	140935	05/16/26 04:42	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	140789	05/14/26 09:04	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	140875	05/15/26 06:34	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
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9924-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9924-1	CS-4	Solid	05/13/26 09:49	05/13/26 14:11	0.25
890-9924-2	CS-5	Solid	05/13/26 09:42	05/13/26 14:11	1
890-9924-3	CS-6	Solid	05/13/26 10:12	05/13/26 14:11	0.25
890-9924-4	CS-7	Solid	05/13/26 10:18	05/13/26 14:11	0.5
890-9924-5	CS-8	Solid	05/13/26 09:55	05/13/26 14:11	0.25
890-9924-6	CS-9	Solid	05/13/26 09:39	05/13/26 14:11	1
890-9924-7	CS-11	Solid	05/13/26 10:22	05/13/26 14:11	0.5
890-9924-8	CS-24	Solid	05/13/26 10:05	05/13/26 14:11	0.5

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

Chain of Custody

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

Environment Testing
Xenco



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:	gmorano@earthsys.net, michael.benini@earthsys.net

Project Name:	Right Meow 31 CTB 7	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	7221				
Project Location:	Lea County, NM	Due Date:			
Sampler's Name:	Michael Benini	TAT starts the day received by the lab, if received by 4:30pm			
CC/ WO #:	21688331				

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
	Samples Received Intact:	Yes No	Thermometer ID:	1Nmp007
Cooler Custody Seals:	Yes No	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No	Temperature Reading:	-1.4	
Total Containers:		Corrected Temperature:	-1.2	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	Parameters		# of Cont	ANALYSIS REQUEST						Sample Comments		
						TPH-NM	Chloride-NM		BTEX-NM	TDS	Cation/ Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI		Hold	24 Hr Rush
CS-4	S	5/13/2026	9:49	0.25	Comp 1	X	X	X									
CS-5	S	5/13/2026	9:42	1	Comp 1	X	X	X									
CS-6	S	5/13/2026	10:12	0.25	Comp 1	X	X	X									
CS-7	S	5/13/2026	10:18	0.5	Comp 1	X	X	X									
CS-8	S	5/13/2026	9:55	0.25	Comp 1	X	X	X									
CS-9	S	5/13/2026	9:39	1	Comp 1	X	X	X									
CS-11	S	5/13/2026	10:22	0.5	Comp 1	X	X	X									
CS-24	S	5/13/2026	10:05	0.5	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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471			

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Michael Benini	albur	5/13			
3.		4			
5.		6			

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9924-1

SDG Number: Lea County, NM

Login Number: 9924

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: 890-9924-1

SDG Number: Lea County, NM

Login Number: 9924

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 05/14/26 07:48 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	



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/22/2026 3:38:27 PM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9936-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



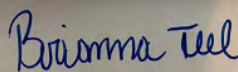
Eurofins Carlsbad

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
5/22/2026 3:38:27 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Laboratory Job ID: 890-9936-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	17
QC Sample Results	19
QC Association Summary	26
Lab Chronicle	30
Certification Summary	34
Method Summary	35
Sample Summary	36
Chain of Custody	37
Receipt Checklists	39

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD 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.

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
Project: Right Meow 31 CTB 7

Job ID: 890-9936-1

Job ID: 890-9936-1

Eurofins Carlsbad

Job Narrative 890-9936-1

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 5/15/2026 9:59 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 -8.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-2 (890-9936-1), SW-3 (890-9936-2), SW-4 (890-9936-3), SW-5 (890-9936-4), SW-7 (890-9936-5), SW-8 (890-9936-6), SW-9 (890-9936-7), SW-10 (890-9936-8), SW-11 (890-9936-9), SW-12 (890-9936-10), SW-13 (890-9936-11), SW-14 (890-9936-12) and SW-15 (890-9936-13).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-141548/5-A). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-141471 and analytical batch 880-141513 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-12 (890-9936-10), (LCSD 880-141471/3-A) and (MB 880-141471/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141064 and analytical batch 880-141097 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-2

Lab Sample ID: 890-9936-1

Date Collected: 05/14/26 11:51

Matrix: Solid

Date Received: 05/15/26 09:59

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		05/18/26 10:29	05/18/26 12:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 12:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/18/26 10:29	05/18/26 12:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/18/26 10:29	05/18/26 12:59	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			05/18/26 12:59	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			05/19/26 21:58	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		05/15/26 08:38	05/19/26 21:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/26 08:38	05/19/26 21:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/26 08:38	05/19/26 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	05/15/26 08:38	05/19/26 21:58	1
o-Terphenyl	95		70 - 130	05/15/26 08:38	05/19/26 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	628	F1	9.96		mg/Kg			05/18/26 15:53	1

Client Sample ID: SW-3

Lab Sample ID: 890-9936-2

Date Collected: 05/14/26 11:48

Matrix: Solid

Date Received: 05/15/26 09:59

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		05/18/26 10:29	05/18/26 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 13:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 13:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 13:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 13:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/18/26 10:29	05/18/26 13:25	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-3

Lab Sample ID: 890-9936-2

Date Collected: 05/14/26 11:48

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	05/18/26 10:29	05/18/26 13:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/18/26 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	<49.8	U	49.8		mg/Kg			05/19/26 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/15/26 08:38	05/19/26 22:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/15/26 08:38	05/19/26 22:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/15/26 08:38	05/19/26 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/15/26 08:38	05/19/26 22:12	1
o-Terphenyl	97		70 - 130				05/15/26 08:38	05/19/26 22:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	454		10.1		mg/Kg			05/18/26 16:08	1

Client Sample ID: SW-4

Lab Sample ID: 890-9936-3

Date Collected: 05/14/26 11:45

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-1

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		05/18/26 10:29	05/18/26 13:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 13:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 13:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/18/26 10:29	05/18/26 13:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 13:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/18/26 10:29	05/18/26 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/18/26 10:29	05/18/26 13:46	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/18/26 10:29	05/18/26 13:46	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			05/18/26 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/19/26 22:26	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-4

Lab Sample ID: 890-9936-3

Date Collected: 05/14/26 11:45

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/15/26 08:38	05/19/26 22:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/15/26 08:38	05/19/26 22:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/15/26 08:38	05/19/26 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				05/15/26 08:38	05/19/26 22:26	1
o-Terphenyl	102		70 - 130				05/15/26 08:38	05/19/26 22:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4370		50.4		mg/Kg			05/18/26 16:13	5

Client Sample ID: SW-5

Lab Sample ID: 890-9936-4

Date Collected: 05/14/26 11:43

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-1

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		05/18/26 10:29	05/18/26 14:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/18/26 10:29	05/18/26 14:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/18/26 10:29	05/18/26 14:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/18/26 10:29	05/18/26 14:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/18/26 10:29	05/18/26 14:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/18/26 10:29	05/18/26 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				05/18/26 10:29	05/18/26 14:48	1
1,4-Difluorobenzene (Surr)	102		70 - 130				05/18/26 10:29	05/18/26 14:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/18/26 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/19/26 22:41	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	<50.1	U	50.1		mg/Kg		05/15/26 08:38	05/19/26 22:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/15/26 08:38	05/19/26 22:41	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/15/26 08:38	05/19/26 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				05/15/26 08:38	05/19/26 22:41	1
o-Terphenyl	100		70 - 130				05/15/26 08:38	05/19/26 22:41	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-5

Lab Sample ID: 890-9936-4

Date Collected: 05/14/26 11:43

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3630		50.3		mg/Kg			05/18/26 16:18	5

Client Sample ID: SW-7

Lab Sample ID: 890-9936-5

Date Collected: 05/14/26 11:39

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/18/26 10:29	05/18/26 15:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 15:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 15:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/18/26 10:29	05/18/26 15:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 15:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/18/26 10:29	05/18/26 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				05/18/26 10:29	05/18/26 15:09	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/18/26 10:29	05/18/26 15:09	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			05/18/26 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/21/26 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *1	50.1		mg/Kg		05/21/26 12:56	05/21/26 18:42	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		05/21/26 12:56	05/21/26 18:42	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/21/26 12:56	05/21/26 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/21/26 12:56	05/21/26 18:42	1
o-Terphenyl	106		70 - 130				05/21/26 12:56	05/21/26 18:42	1

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			05/18/26 16:23	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-8

Lab Sample ID: 890-9936-6

Date Collected: 05/14/26 11:29

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/18/26 10:29	05/18/26 15:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/26 10:29	05/18/26 15:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/26 10:29	05/18/26 15:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/26 10:29	05/18/26 15:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/26 10:29	05/18/26 15:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/26 10:29	05/18/26 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/18/26 10:29	05/18/26 15:29	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/18/26 10:29	05/18/26 15:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/18/26 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/21/26 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	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	05/21/26 12:56	05/21/26 19:03	1
o-Terphenyl	97		70 - 130	05/21/26 12:56	05/21/26 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		10.0		mg/Kg			05/18/26 16:38	1

Client Sample ID: SW-9

Lab Sample ID: 890-9936-7

Date Collected: 05/14/26 11:27

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/18/26 10:29	05/18/26 15:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 15:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 15:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 15:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 15:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/18/26 10:29	05/18/26 15:50	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-9

Lab Sample ID: 890-9936-7

Date Collected: 05/14/26 11:27

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	05/18/26 10:29	05/18/26 15:50	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			05/18/26 15:50	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			05/21/26 19:23	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	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/21/26 12:56	05/21/26 19:23	1
o-Terphenyl	127		70 - 130				05/21/26 12:56	05/21/26 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		10.0		mg/Kg			05/18/26 16:43	1

Client Sample ID: SW-10

Lab Sample ID: 890-9936-8

Date Collected: 05/14/26 11:23

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/18/26 10:29	05/18/26 16:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/18/26 10:29	05/18/26 16:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/18/26 10:29	05/18/26 16:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/18/26 10:29	05/18/26 16:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/18/26 10:29	05/18/26 16:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/18/26 10:29	05/18/26 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/18/26 10:29	05/18/26 16:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/18/26 10:29	05/18/26 16:11	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			05/18/26 16:11	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			05/21/26 19:43	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-10

Lab Sample ID: 890-9936-8

Date Collected: 05/14/26 11:23

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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 *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/21/26 12:56	05/21/26 19:43	1
o-Terphenyl	111		70 - 130				05/21/26 12:56	05/21/26 19:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		9.98		mg/Kg			05/18/26 16:48	1

Client Sample ID: SW-11

Lab Sample ID: 890-9936-9

Date Collected: 05/14/26 11:21

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/18/26 10:29	05/18/26 16:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 16:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 16:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 16:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 16:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130				05/18/26 10:29	05/18/26 16:39	1
1,4-Difluorobenzene (Surr)	110		70 - 130				05/18/26 10:29	05/18/26 16:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/18/26 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			05/21/26 20:04	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 *1	49.9		mg/Kg		05/21/26 12:56	05/21/26 20:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/21/26 12:56	05/21/26 20:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/26 12:56	05/21/26 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				05/21/26 12:56	05/21/26 20:04	1
o-Terphenyl	126		70 - 130				05/21/26 12:56	05/21/26 20:04	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-11

Lab Sample ID: 890-9936-9

Date Collected: 05/14/26 11:21

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	591		10.1		mg/Kg			05/18/26 16:53	1

Client Sample ID: SW-12

Lab Sample ID: 890-9936-10

Date Collected: 05/14/26 11:11

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/18/26 10:29	05/18/26 17:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 17:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 17:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/18/26 10:29	05/18/26 17:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 17:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/18/26 10:29	05/18/26 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/18/26 10:29	05/18/26 17:00	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/18/26 10:29	05/18/26 17:00	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			05/18/26 17:00	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			05/21/26 20:44	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 *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 20:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 20:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/21/26 12:56	05/21/26 20:44	1
o-Terphenyl	131	S1+	70 - 130				05/21/26 12:56	05/21/26 20:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6370		101		mg/Kg			05/18/26 16:58	10

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-13

Lab Sample ID: 890-9936-11

Date Collected: 05/14/26 11:06

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/18/26 10:29	05/18/26 18:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 18:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 18:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 18:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 18:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/18/26 10:29	05/18/26 18:23	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/18/26 10:29	05/18/26 18:23	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			05/18/26 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/21/26 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	<49.8	U *1	49.8		mg/Kg		05/21/26 12:56	05/21/26 21:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		05/21/26 12:56	05/21/26 21:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/21/26 12:56	05/21/26 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	05/21/26 12:56	05/21/26 21:05	1
o-Terphenyl	96		70 - 130	05/21/26 12:56	05/21/26 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7850		99.6		mg/Kg			05/18/26 17:03	10

Client Sample ID: SW-14

Lab Sample ID: 890-9936-12

Date Collected: 05/14/26 11:03

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/22/26 08:33	05/22/26 13:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:33	05/22/26 13:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:33	05/22/26 13:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/22/26 08:33	05/22/26 13:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:33	05/22/26 13:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/22/26 08:33	05/22/26 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/22/26 08:33	05/22/26 13:52	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-14

Lab Sample ID: 890-9936-12

Date Collected: 05/14/26 11:03

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	05/22/26 08:33	05/22/26 13:52	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			05/22/26 13:52	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			05/21/26 21:25	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 *1	49.9		mg/Kg		05/21/26 12:56	05/21/26 21:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/21/26 12:56	05/21/26 21:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/21/26 12:56	05/21/26 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/21/26 12:56	05/21/26 21:25	1
o-Terphenyl	115		70 - 130				05/21/26 12:56	05/21/26 21:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7810		100		mg/Kg			05/18/26 17:18	10

Client Sample ID: SW-15

Lab Sample ID: 890-9936-13

Date Collected: 05/14/26 10:56

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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		05/19/26 08:17	05/19/26 15:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/19/26 08:17	05/19/26 15:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/19/26 08:17	05/19/26 15:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/19/26 08:17	05/19/26 15:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/19/26 08:17	05/19/26 15:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/19/26 08:17	05/19/26 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/19/26 08:17	05/19/26 15:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/19/26 08:17	05/19/26 15:11	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			05/19/26 15:11	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			05/21/26 21:47	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-15

Lab Sample ID: 890-9936-13

Date Collected: 05/14/26 10:56

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0-0.5

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 *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 21:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 21:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				05/21/26 12:56	05/21/26 21:47	1
o-Terphenyl	85		70 - 130				05/21/26 12:56	05/21/26 21:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6530		101		mg/Kg			05/18/26 17:23	10

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9936-1	SW-2	90	102
890-9936-1 MS	SW-2	97	100
890-9936-1 MSD	SW-2	83	102
890-9936-2	SW-3	90	101
890-9936-3	SW-4	93	102
890-9936-4	SW-5	85	102
890-9936-5	SW-7	88	106
890-9936-6	SW-8	97	100
890-9936-7	SW-9	94	102
890-9936-8	SW-10	97	101
890-9936-9	SW-11	70	110
890-9936-10	SW-12	95	101
890-9936-11	SW-13	96	102
890-9936-12	SW-14	94	86
890-9936-13	SW-15	109	104
LCS 880-141061/1-A	Lab Control Sample	93	100
LCS 880-141152/1-A	Lab Control Sample	99	97
LCS 880-141548/1-A	Lab Control Sample	111	101
LCSD 880-141061/2-A	Lab Control Sample Dup	98	100
LCSD 880-141152/2-A	Lab Control Sample Dup	100	100
LCSD 880-141548/2-A	Lab Control Sample Dup	101	102
MB 880-141061/5-A	Method Blank	88	97
MB 880-141152/5-A	Method Blank	92	96
MB 880-141548/5-A	Method Blank	263 S1+	120
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)
890-9936-1	SW-2	90	95
890-9936-2	SW-3	93	97
890-9936-3	SW-4	95	102
890-9936-4	SW-5	94	100
890-9936-5	SW-7	105	106
890-9936-6	SW-8	82	97
890-9936-7	SW-9	119	127
890-9936-8	SW-10	107	111
890-9936-9	SW-11	116	126
890-9936-10	SW-12	120	131 S1+
890-9936-11	SW-13	82	96
890-9936-12	SW-14	105	115
890-9936-13	SW-15	72	85
LCS 880-140926/2-A	Lab Control Sample	109	101
LCS 880-141471/2-A	Lab Control Sample	88	86

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea 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)
LCSD 880-140926/3-A	Lab Control Sample Dup	107	106
LCSD 880-141471/3-A	Lab Control Sample Dup	132 S1+	126
MB 880-140926/1-A	Method Blank	103	110
MB 880-141471/1-A	Method Blank	65 S1-	74
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141061/5-A

Matrix: Solid

Analysis Batch: 141028

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/18/26 10:29	05/18/26 12:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/18/26 10:29	05/18/26 12:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/18/26 10:29	05/18/26 12:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/18/26 10:29	05/18/26 12:25	1

Lab Sample ID: LCS 880-141061/1-A

Matrix: Solid

Analysis Batch: 141028

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08706		mg/Kg		87	70 - 130
Toluene	0.100	0.09011		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08851		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1804		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09144		mg/Kg		91	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 880-141061/2-A

Matrix: Solid

Analysis Batch: 141028

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141061

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08863		mg/Kg		89	70 - 130	2	35
Toluene	0.100	0.09226		mg/Kg		92	70 - 130	2	35
Ethylbenzene	0.100	0.09142		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1866		mg/Kg		93	70 - 130	3	35
o-Xylene	0.100	0.09449		mg/Kg		94	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-9936-1 MS

Matrix: Solid

Analysis Batch: 141028

Client Sample ID: SW-2

Prep Type: Total/NA

Prep Batch: 141061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07862		mg/Kg		79	70 - 130
Toluene	<0.00200	U	0.100	0.08187		mg/Kg		82	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9936-1 MS

Matrix: Solid

Analysis Batch: 141028

Client Sample ID: SW-2

Prep Type: Total/NA

Prep Batch: 141061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08081		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1647		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.100	0.08304		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-9936-1 MSD

Matrix: Solid

Analysis Batch: 141028

Client Sample ID: SW-2

Prep Type: Total/NA

Prep Batch: 141061

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	0.07725		mg/Kg		77	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.07732		mg/Kg		77	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.07300		mg/Kg		73	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1439		mg/Kg		72	70 - 130	14	35
o-Xylene	<0.00200	U	0.100	0.07190		mg/Kg		72	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-141152/5-A

Matrix: Solid

Analysis Batch: 141161

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/19/26 08:17	05/19/26 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/19/26 08:17	05/19/26 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/19/26 08:17	05/19/26 12:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/19/26 08:17	05/19/26 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/19/26 08:17	05/19/26 12:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/19/26 08:17	05/19/26 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	05/19/26 08:17	05/19/26 12:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/19/26 08:17	05/19/26 12:03	1

Lab Sample ID: LCS 880-141152/1-A

Matrix: Solid

Analysis Batch: 141161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141152

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08830		mg/Kg		88	70 - 130
Toluene	0.100	0.09216		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09282		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1853		mg/Kg		93	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-141152/1-A

Matrix: Solid

Analysis Batch: 141161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141152

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09195		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-141152/2-A

Matrix: Solid

Analysis Batch: 141161

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141152

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09140		mg/Kg		91	70 - 130	3	35
Toluene	0.100	0.09483		mg/Kg		95	70 - 130	3	35
Ethylbenzene	0.100	0.09356		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1887		mg/Kg		94	70 - 130	2	35
o-Xylene	0.100	0.09459		mg/Kg		95	70 - 130	3	35

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

Lab Sample ID: MB 880-141548/5-A

Matrix: Solid

Analysis Batch: 141572

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:33	05/22/26 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:33	05/22/26 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:33	05/22/26 13:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/22/26 08:33	05/22/26 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/26 08:33	05/22/26 13:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/22/26 08:33	05/22/26 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	263	S1+	70 - 130	05/22/26 08:33	05/22/26 13:23	1
1,4-Difluorobenzene (Surr)	120		70 - 130	05/22/26 08:33	05/22/26 13:23	1

Lab Sample ID: LCS 880-141548/1-A

Matrix: Solid

Analysis Batch: 141572

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141548

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1132		mg/Kg		113	70 - 130
Toluene	0.100	0.09835		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1191		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2215		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1251		mg/Kg		125	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-141548/1-A

Matrix: Solid

Analysis Batch: 141572

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141548

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-141548/2-A

Matrix: Solid

Analysis Batch: 141572

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141548

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1123		mg/Kg		112	70 - 130	1	35
Toluene	0.100	0.09326		mg/Kg		93	70 - 130	5	35
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2092		mg/Kg		105	70 - 130	6	35
o-Xylene	0.100	0.1194		mg/Kg		119	70 - 130	5	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-140926/1-A

Matrix: Solid

Analysis Batch: 141218

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140926

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		05/15/26 08:38	05/19/26 19:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/26 08:38	05/19/26 19:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/26 08:38	05/19/26 19:02	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	103		70 - 130				05/15/26 08:38	05/19/26 19:02	1
o-Terphenyl	110		70 - 130				05/15/26 08:38	05/19/26 19:02	1

Lab Sample ID: LCS 880-140926/2-A

Matrix: Solid

Analysis Batch: 141218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	948.4		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1053		mg/Kg		105	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	101		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-140926/3-A

Matrix: Solid

Analysis Batch: 141218

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	928.0		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	106		70 - 130						

Lab Sample ID: MB 880-141471/1-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141471

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		05/21/26 12:56	05/21/26 13:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 13:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 13:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				05/21/26 12:56	05/21/26 13:24	1
o-Terphenyl	74		70 - 130				05/21/26 12:56	05/21/26 13:24	1

Lab Sample ID: LCS 880-141471/2-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	886.6		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	905.7		mg/Kg		91	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	88		70 - 130						
o-Terphenyl	86		70 - 130						

Lab Sample ID: LCSD 880-141471/3-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141471

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1183	*1	mg/Kg		118	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	1000	1272	*1	mg/Kg		127	70 - 130	34	20

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-141471/3-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141471

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	126		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141064/1-A

Matrix: Solid

Analysis Batch: 141097

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/18/26 15:38	1

Lab Sample ID: LCS 880-141064/2-A

Matrix: Solid

Analysis Batch: 141097

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	236.6		mg/Kg		95	90 - 110	

Lab Sample ID: LCSD 880-141064/3-A

Matrix: Solid

Analysis Batch: 141097

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	241.7		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 890-9936-1 MS

Matrix: Solid

Analysis Batch: 141097

Client Sample ID: SW-2

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	628	F1	249	847.6	F1	mg/Kg		88	90 - 110	

Lab Sample ID: 890-9936-1 MSD

Matrix: Solid

Analysis Batch: 141097

Client Sample ID: SW-2

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	628	F1	249	857.5		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 890-9936-11 MS

Matrix: Solid

Analysis Batch: 141097

Client Sample ID: SW-13

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	7850		2490	10340		mg/Kg		100	90 - 110	

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9936-11 MSD							Client Sample ID: SW-13					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 141097												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	7850		2490	10400		mg/Kg		102	90 - 110	1	20	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 141028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-1	SW-2	Total/NA	Solid	8021B	141061
890-9936-2	SW-3	Total/NA	Solid	8021B	141061
890-9936-3	SW-4	Total/NA	Solid	8021B	141061
890-9936-4	SW-5	Total/NA	Solid	8021B	141061
890-9936-5	SW-7	Total/NA	Solid	8021B	141061
890-9936-6	SW-8	Total/NA	Solid	8021B	141061
890-9936-7	SW-9	Total/NA	Solid	8021B	141061
890-9936-8	SW-10	Total/NA	Solid	8021B	141061
890-9936-9	SW-11	Total/NA	Solid	8021B	141061
890-9936-10	SW-12	Total/NA	Solid	8021B	141061
890-9936-11	SW-13	Total/NA	Solid	8021B	141061
MB 880-141061/5-A	Method Blank	Total/NA	Solid	8021B	141061
LCS 880-141061/1-A	Lab Control Sample	Total/NA	Solid	8021B	141061
LCSD 880-141061/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141061
890-9936-1 MS	SW-2	Total/NA	Solid	8021B	141061
890-9936-1 MSD	SW-2	Total/NA	Solid	8021B	141061

Prep Batch: 141061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-1	SW-2	Total/NA	Solid	5035	
890-9936-2	SW-3	Total/NA	Solid	5035	
890-9936-3	SW-4	Total/NA	Solid	5035	
890-9936-4	SW-5	Total/NA	Solid	5035	
890-9936-5	SW-7	Total/NA	Solid	5035	
890-9936-6	SW-8	Total/NA	Solid	5035	
890-9936-7	SW-9	Total/NA	Solid	5035	
890-9936-8	SW-10	Total/NA	Solid	5035	
890-9936-9	SW-11	Total/NA	Solid	5035	
890-9936-10	SW-12	Total/NA	Solid	5035	
890-9936-11	SW-13	Total/NA	Solid	5035	
MB 880-141061/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141061/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141061/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9936-1 MS	SW-2	Total/NA	Solid	5035	
890-9936-1 MSD	SW-2	Total/NA	Solid	5035	

Prep Batch: 141152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-13	SW-15	Total/NA	Solid	5035	
MB 880-141152/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141152/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141152/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 141161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-13	SW-15	Total/NA	Solid	8021B	141152
MB 880-141152/5-A	Method Blank	Total/NA	Solid	8021B	141152
LCS 880-141152/1-A	Lab Control Sample	Total/NA	Solid	8021B	141152
LCSD 880-141152/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141152

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 141201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-1	SW-2	Total/NA	Solid	Total BTEX	
890-9936-2	SW-3	Total/NA	Solid	Total BTEX	
890-9936-3	SW-4	Total/NA	Solid	Total BTEX	
890-9936-4	SW-5	Total/NA	Solid	Total BTEX	
890-9936-5	SW-7	Total/NA	Solid	Total BTEX	
890-9936-6	SW-8	Total/NA	Solid	Total BTEX	
890-9936-7	SW-9	Total/NA	Solid	Total BTEX	
890-9936-8	SW-10	Total/NA	Solid	Total BTEX	
890-9936-9	SW-11	Total/NA	Solid	Total BTEX	
890-9936-10	SW-12	Total/NA	Solid	Total BTEX	
890-9936-11	SW-13	Total/NA	Solid	Total BTEX	
890-9936-12	SW-14	Total/NA	Solid	Total BTEX	
890-9936-13	SW-15	Total/NA	Solid	Total BTEX	

Prep Batch: 141548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-12	SW-14	Total/NA	Solid	5035	
MB 880-141548/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141548/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141548/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 141572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-12	SW-14	Total/NA	Solid	8021B	141548
MB 880-141548/5-A	Method Blank	Total/NA	Solid	8021B	141548
LCS 880-141548/1-A	Lab Control Sample	Total/NA	Solid	8021B	141548
LCSD 880-141548/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141548

GC Semi VOA

Prep Batch: 140926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-1	SW-2	Total/NA	Solid	8015NM Prep	
890-9936-2	SW-3	Total/NA	Solid	8015NM Prep	
890-9936-3	SW-4	Total/NA	Solid	8015NM Prep	
890-9936-4	SW-5	Total/NA	Solid	8015NM Prep	
MB 880-140926/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-140926/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-140926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-1	SW-2	Total/NA	Solid	8015B NM	140926
890-9936-2	SW-3	Total/NA	Solid	8015B NM	140926
890-9936-3	SW-4	Total/NA	Solid	8015B NM	140926
890-9936-4	SW-5	Total/NA	Solid	8015B NM	140926
MB 880-140926/1-A	Method Blank	Total/NA	Solid	8015B NM	140926
LCS 880-140926/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	140926
LCSD 880-140926/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	140926

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 141458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-1	SW-2	Total/NA	Solid	8015 NM	
890-9936-2	SW-3	Total/NA	Solid	8015 NM	
890-9936-3	SW-4	Total/NA	Solid	8015 NM	
890-9936-4	SW-5	Total/NA	Solid	8015 NM	
890-9936-5	SW-7	Total/NA	Solid	8015 NM	
890-9936-6	SW-8	Total/NA	Solid	8015 NM	
890-9936-7	SW-9	Total/NA	Solid	8015 NM	
890-9936-8	SW-10	Total/NA	Solid	8015 NM	
890-9936-9	SW-11	Total/NA	Solid	8015 NM	
890-9936-10	SW-12	Total/NA	Solid	8015 NM	
890-9936-11	SW-13	Total/NA	Solid	8015 NM	
890-9936-12	SW-14	Total/NA	Solid	8015 NM	
890-9936-13	SW-15	Total/NA	Solid	8015 NM	

Prep Batch: 141471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-5	SW-7	Total/NA	Solid	8015NM Prep	
890-9936-6	SW-8	Total/NA	Solid	8015NM Prep	
890-9936-7	SW-9	Total/NA	Solid	8015NM Prep	
890-9936-8	SW-10	Total/NA	Solid	8015NM Prep	
890-9936-9	SW-11	Total/NA	Solid	8015NM Prep	
890-9936-10	SW-12	Total/NA	Solid	8015NM Prep	
890-9936-11	SW-13	Total/NA	Solid	8015NM Prep	
890-9936-12	SW-14	Total/NA	Solid	8015NM Prep	
890-9936-13	SW-15	Total/NA	Solid	8015NM Prep	
MB 880-141471/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141471/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141471/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-5	SW-7	Total/NA	Solid	8015B NM	141471
890-9936-6	SW-8	Total/NA	Solid	8015B NM	141471
890-9936-7	SW-9	Total/NA	Solid	8015B NM	141471
890-9936-8	SW-10	Total/NA	Solid	8015B NM	141471
890-9936-9	SW-11	Total/NA	Solid	8015B NM	141471
890-9936-10	SW-12	Total/NA	Solid	8015B NM	141471
890-9936-11	SW-13	Total/NA	Solid	8015B NM	141471
890-9936-12	SW-14	Total/NA	Solid	8015B NM	141471
890-9936-13	SW-15	Total/NA	Solid	8015B NM	141471
MB 880-141471/1-A	Method Blank	Total/NA	Solid	8015B NM	141471
LCS 880-141471/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141471
LCSD 880-141471/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141471

HPLC/IC

Leach Batch: 141064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-1	SW-2	Soluble	Solid	DI Leach	
890-9936-2	SW-3	Soluble	Solid	DI Leach	
890-9936-3	SW-4	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 141064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-4	SW-5	Soluble	Solid	DI Leach	
890-9936-5	SW-7	Soluble	Solid	DI Leach	
890-9936-6	SW-8	Soluble	Solid	DI Leach	
890-9936-7	SW-9	Soluble	Solid	DI Leach	
890-9936-8	SW-10	Soluble	Solid	DI Leach	
890-9936-9	SW-11	Soluble	Solid	DI Leach	
890-9936-10	SW-12	Soluble	Solid	DI Leach	
890-9936-11	SW-13	Soluble	Solid	DI Leach	
890-9936-12	SW-14	Soluble	Solid	DI Leach	
890-9936-13	SW-15	Soluble	Solid	DI Leach	
MB 880-141064/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141064/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141064/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9936-1 MS	SW-2	Soluble	Solid	DI Leach	
890-9936-1 MSD	SW-2	Soluble	Solid	DI Leach	
890-9936-11 MS	SW-13	Soluble	Solid	DI Leach	
890-9936-11 MSD	SW-13	Soluble	Solid	DI Leach	

Analysis Batch: 141097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9936-1	SW-2	Soluble	Solid	300.0	141064
890-9936-2	SW-3	Soluble	Solid	300.0	141064
890-9936-3	SW-4	Soluble	Solid	300.0	141064
890-9936-4	SW-5	Soluble	Solid	300.0	141064
890-9936-5	SW-7	Soluble	Solid	300.0	141064
890-9936-6	SW-8	Soluble	Solid	300.0	141064
890-9936-7	SW-9	Soluble	Solid	300.0	141064
890-9936-8	SW-10	Soluble	Solid	300.0	141064
890-9936-9	SW-11	Soluble	Solid	300.0	141064
890-9936-10	SW-12	Soluble	Solid	300.0	141064
890-9936-11	SW-13	Soluble	Solid	300.0	141064
890-9936-12	SW-14	Soluble	Solid	300.0	141064
890-9936-13	SW-15	Soluble	Solid	300.0	141064
MB 880-141064/1-A	Method Blank	Soluble	Solid	300.0	141064
LCS 880-141064/2-A	Lab Control Sample	Soluble	Solid	300.0	141064
LCSD 880-141064/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141064
890-9936-1 MS	SW-2	Soluble	Solid	300.0	141064
890-9936-1 MSD	SW-2	Soluble	Solid	300.0	141064
890-9936-11 MS	SW-13	Soluble	Solid	300.0	141064
890-9936-11 MSD	SW-13	Soluble	Solid	300.0	141064

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-2

Lab Sample ID: 890-9936-1

Date Collected: 05/14/26 11:51

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 12:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 12:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/19/26 21:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	140926	05/15/26 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141218	05/19/26 21:58	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141097	05/18/26 15:53	CS	EET MID

Client Sample ID: SW-3

Lab Sample ID: 890-9936-2

Date Collected: 05/14/26 11:48

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 13:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/19/26 22:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	140926	05/15/26 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141218	05/19/26 22:12	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141097	05/18/26 16:08	CS	EET MID

Client Sample ID: SW-4

Lab Sample ID: 890-9936-3

Date Collected: 05/14/26 11:45

Matrix: Solid

Date Received: 05/15/26 09:59

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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 13:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/19/26 22:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	140926	05/15/26 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141218	05/19/26 22:26	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141097	05/18/26 16:13	CS	EET MID

Client Sample ID: SW-5

Lab Sample ID: 890-9936-4

Date Collected: 05/14/26 11:43

Matrix: Solid

Date Received: 05/15/26 09:59

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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 14:48	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-5

Lab Sample ID: 890-9936-4

Date Collected: 05/14/26 11:43

Matrix: Solid

Date Received: 05/15/26 09:59

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			141458	05/19/26 22:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	140926	05/15/26 08:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141218	05/19/26 22:41	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141097	05/18/26 16:18	CS	EET MID

Client Sample ID: SW-7

Lab Sample ID: 890-9936-5

Date Collected: 05/14/26 11:39

Matrix: Solid

Date Received: 05/15/26 09:59

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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 15:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 15:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 18:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 18:42	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141097	05/18/26 16:23	CS	EET MID

Client Sample ID: SW-8

Lab Sample ID: 890-9936-6

Date Collected: 05/14/26 11:29

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 15:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 19:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 19:03	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141097	05/18/26 16:38	CS	EET MID

Client Sample ID: SW-9

Lab Sample ID: 890-9936-7

Date Collected: 05/14/26 11:27

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 15:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 15:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 19:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 19:23	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-9

Lab Sample ID: 890-9936-7

Date Collected: 05/14/26 11:27

Matrix: Solid

Date Received: 05/15/26 09:59

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	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141097	05/18/26 16:43	CS	EET MID

Client Sample ID: SW-10

Lab Sample ID: 890-9936-8

Date Collected: 05/14/26 11:23

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 16:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 16:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 19:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 19:43	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141097	05/18/26 16:48	CS	EET MID

Client Sample ID: SW-11

Lab Sample ID: 890-9936-9

Date Collected: 05/14/26 11:21

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 16:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 20:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 20:04	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141097	05/18/26 16:53	CS	EET MID

Client Sample ID: SW-12

Lab Sample ID: 890-9936-10

Date Collected: 05/14/26 11:11

Matrix: Solid

Date Received: 05/15/26 09:59

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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 17:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 20:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 20:44	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	141097	05/18/26 16:58	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Client Sample ID: SW-13**Lab Sample ID: 890-9936-11****Date Collected: 05/14/26 11:06****Matrix: Solid****Date Received: 05/15/26 09:59**

Prep 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	141061	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141028	05/18/26 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/18/26 18:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 21:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 21:05	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	141097	05/18/26 17:03	CS	EET MID

Client Sample ID: SW-14**Lab Sample ID: 890-9936-12****Date Collected: 05/14/26 11:03****Matrix: Solid****Date Received: 05/15/26 09:59**

Prep 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	141548	05/22/26 08:33	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141572	05/22/26 13:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/22/26 13:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 21:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 21:25	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	141097	05/18/26 17:18	CS	EET MID

Client Sample ID: SW-15**Lab Sample ID: 890-9936-13****Date Collected: 05/14/26 10:56****Matrix: Solid****Date Received: 05/15/26 09:59**

Prep 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	141152	05/19/26 08:17	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141161	05/19/26 15:11	SA	EET MID
Total/NA	Analysis	Total BTEX		1			141201	05/19/26 15:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			141458	05/21/26 21:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 21:47	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141064	05/18/26 10:31	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	141097	05/18/26 17:23	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9936-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9936-1	SW-2	Solid	05/14/26 11:51	05/15/26 09:59	0-1
890-9936-2	SW-3	Solid	05/14/26 11:48	05/15/26 09:59	0-1
890-9936-3	SW-4	Solid	05/14/26 11:45	05/15/26 09:59	0-1
890-9936-4	SW-5	Solid	05/14/26 11:43	05/15/26 09:59	0-1
890-9936-5	SW-7	Solid	05/14/26 11:39	05/15/26 09:59	0-0.5
890-9936-6	SW-8	Solid	05/14/26 11:29	05/15/26 09:59	0-0.5
890-9936-7	SW-9	Solid	05/14/26 11:27	05/15/26 09:59	0-0.5
890-9936-8	SW-10	Solid	05/14/26 11:23	05/15/26 09:59	0-0.5
890-9936-9	SW-11	Solid	05/14/26 11:21	05/15/26 09:59	0-0.5
890-9936-10	SW-12	Solid	05/14/26 11:11	05/15/26 09:59	0-0.5
890-9936-11	SW-13	Solid	05/14/26 11:06	05/15/26 09:59	0-0.5
890-9936-12	SW-14	Solid	05/14/26 11:03	05/15/26 09:59	0-0.5
890-9936-13	SW-15	Solid	05/14/26 10:56	05/15/26 09:59	0-0.5

Chain of Custody

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

Environment Testing
Xenco



890-9936 Chain of Custody

www.xenco.com Page 1 of 2

Work Order Comments

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

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

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

Deliverables: ☐ EDD ☐ ADaPT ☐ Other:

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, michael.benini@earthsys.net

ANALYSIS REQUEST										Preservative Codes				
Project Name:	Right Meow 31 CTB 7	Turn Around	Pres. Code	Parameters						Sample Comments				
Project Number:	7221/9259	☒ Routine ☐ Rush												
Project Location:	Lea County, NM	Due Date:												
Sampler's Name:	Michael Benini	TAT starts the day received by the lab, if received by 4:30pm												
CC/ WO #:	21688331													
SAMPLE RECEIPT Samples Received Intact: ☒ Yes ☐ No Thermometer ID: <u>TP10007</u> Cooler Custody Seals: ☒ Yes ☐ No Correction Factor: <u>-0.2</u> Sample Custody Seals: ☒ Yes ☐ No Temperature Reading: <u>-4.0</u> Total Containers: <u>2</u> Corrected Temperature: <u>-8.8</u>														
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/ Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI
SW-1	S	5/14/2026	14:56	0-0.25	Comp	1	X	X	X	X				
SW-2	S	5/14/2026	11:51	0-1	Comp	1	X	X	X	X				
SW-3	S	5/14/2026	11:48	0-1	Comp	1	X	X	X	X				
SW-4	S	5/14/2026	11:45	0-1	Comp	1	X	X	X	X				
SW-5	S	5/14/2026	11:43	0-1	Comp	1	X	X	X	X				
SW-7	S	5/14/2026	11:39	0-0.5	Comp	1	X	X	X	X				
SW-8	S	5/14/2026	11:29	0-0.5	Comp	1	X	X	X	X				
SW-9	S	5/14/2026	11:27	0-0.5	Comp	1	X	X	X	X				
SW-10	S	5/14/2026	11:23	0-0.5	Comp	1	X	X	X	X				
SW-11	S	5/14/2026	11:21	0-0.5	Comp	1	X	X	X	X				

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

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Michael Benini</i>	<i>afub</i>	9:59 5/15			
3		4			
5		6			

Revised Date: 09/25/2020 Rev 2020.2

Chain of Custody

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

Environment Testing
Xenco



Work Order No.:

Page 2 of 2
www.xenco.com

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 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, michael.benini@earthsys.net

[illegible]

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

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

[illegible]

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9936-1

SDG Number: Lea County, NM

Login Number: 9936

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: 890-9936-1

SDG Number: Lea County, NM

Login Number: 9936

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 05/18/26 09:09 AM

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



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/22/2026 10:48:23 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9937-1

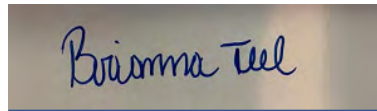
Eurofins Carlsbad

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
5/22/2026 10:48:23 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: Right Meow 31 CTB 7

Laboratory Job ID: 890-9937-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	16
QC Sample Results	17
QC Association Summary	22
Lab Chronicle	25
Certification Summary	29
Method Summary	30
Sample Summary	31
Chain of Custody	32
Receipt Checklists	34

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea 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
*1	LCS/LCSD RPD exceeds control limits.
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.

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
Project: Right Meow 31 CTB 7

Job ID: 890-9937-1

Job ID: 890-9937-1

Eurofins Carlsbad

Job Narrative 890-9937-1

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 5/15/2026 9:59 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 -8.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-3 (890-9937-1), CS-10 (890-9937-2), CS-12 (890-9937-3), CS-13 (890-9937-4), CS-14 (890-9937-5), CS-15 (890-9937-6), CS-16 (890-9937-7), CS-17 (890-9937-8), CS-18 (890-9937-9), CS-19 (890-9937-10) and CS-23 (890-9937-11).

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-141062 and analytical batch 880-141025 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: CS-23 (890-9937-11). 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 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-141019/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: CS-12 (890-9937-3). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: CS-15 (890-9937-6). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-141019 and analytical batch 880-141247 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-141471 and analytical batch 880-141513 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-141471/3-A) and (MB 880-141471/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Carlsbad

Case Narrative

Client: Earth Systems Response and Restoration
Project: Right Meow 31 CTB 7

Job ID: 890-9937-1

Job ID: 890-9937-1 (Continued)

Eurofins Carlsbad

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-3

Lab Sample ID: 890-9937-1

Date Collected: 05/14/26 09:51

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:10	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 12:10	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:10	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		05/18/26 10:29	05/18/26 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	05/18/26 10:29	05/18/26 12:10	1
1,4-Difluorobenzene (Surr)	110		70 - 130	05/18/26 10:29	05/18/26 12:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/18/26 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/21/26 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	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 22:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/21/26 12:56	05/21/26 22:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	05/21/26 12:56	05/21/26 22:07	1
o-Terphenyl	91		70 - 130	05/21/26 12:56	05/21/26 22:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2960		99.2		mg/Kg			05/18/26 19:14	10

Client Sample ID: CS-10

Lab Sample ID: 890-9937-2

Date Collected: 05/14/26 09:54

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 12:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	05/18/26 10:29	05/18/26 12:30	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-10

Lab Sample ID: 890-9937-2

Date Collected: 05/14/26 09:54

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	112		70 - 130	05/18/26 10:29	05/18/26 12:30	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			05/18/26 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/19/26 17:21	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	<50.1	U F1	50.1		mg/Kg		05/15/26 17:24	05/19/26 17:21	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/15/26 17:24	05/19/26 17:21	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/15/26 17:24	05/19/26 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				05/15/26 17:24	05/19/26 17:21	1
o-Terphenyl	127		70 - 130				05/15/26 17:24	05/19/26 17:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	498		9.90		mg/Kg			05/18/26 19:19	1

Client Sample ID: CS-12

Lab Sample ID: 890-9937-3

Date Collected: 05/14/26 10:01

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 12:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 12:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 12:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/18/26 10:29	05/18/26 12:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 12:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/18/26 10:29	05/18/26 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/18/26 10:29	05/18/26 12:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/18/26 10:29	05/18/26 12:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/18/26 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/19/26 18:21	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-12

Lab Sample ID: 890-9937-3

Date Collected: 05/14/26 10:01

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/15/26 17:24	05/19/26 18:21	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/15/26 17:24	05/19/26 18:21	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/15/26 17:24	05/19/26 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				05/15/26 17:24	05/19/26 18:21	1
o-Terphenyl	141	S1+	70 - 130				05/15/26 17:24	05/19/26 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		10.1		mg/Kg			05/18/26 19:34	1

Client Sample ID: CS-13

Lab Sample ID: 890-9937-4

Date Collected: 05/14/26 10:07

Matrix: Solid

Date Received: 05/15/26 09:59

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		05/18/26 10:29	05/18/26 13:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/18/26 10:29	05/18/26 13:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/18/26 10:29	05/18/26 13:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/18/26 10:29	05/18/26 13:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/18/26 10:29	05/18/26 13:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/18/26 10:29	05/18/26 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				05/18/26 10:29	05/18/26 13:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/18/26 10:29	05/18/26 13:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/18/26 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	<50.0	U	50.0		mg/Kg			05/19/26 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 18:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/15/26 17:24	05/19/26 18:42	1
o-Terphenyl	124		70 - 130				05/15/26 17:24	05/19/26 18:42	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-13

Lab Sample ID: 890-9937-4

Date Collected: 05/14/26 10:07

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5410		101		mg/Kg			05/18/26 19:39	10

Client Sample ID: CS-14

Lab Sample ID: 890-9937-5

Date Collected: 05/14/26 10:12

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 13:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 13:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 13:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/18/26 10:29	05/18/26 13:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 13:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/18/26 10:29	05/18/26 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				05/18/26 10:29	05/18/26 13:32	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/18/26 10:29	05/18/26 13:32	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			05/18/26 13:32	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			05/19/26 19:02	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		05/15/26 17:24	05/19/26 19:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 19:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/15/26 17:24	05/19/26 19:02	1
o-Terphenyl	130		70 - 130				05/15/26 17:24	05/19/26 19:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	436		10.0		mg/Kg			05/18/26 19:44	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-15

Lab Sample ID: 890-9937-6

Date Collected: 05/14/26 10:18

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/26 10:29	05/18/26 13:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/26 10:29	05/18/26 13:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/26 10:29	05/18/26 13:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/26 10:29	05/18/26 13:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/26 10:29	05/18/26 13:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/26 10:29	05/18/26 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/18/26 10:29	05/18/26 13:53	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/18/26 10:29	05/18/26 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			05/18/26 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	<49.9	U	49.9		mg/Kg			05/19/26 19:22	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	<49.9	U	49.9		mg/Kg		05/15/26 17:24	05/19/26 19:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/15/26 17:24	05/19/26 19:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/15/26 17:24	05/19/26 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	05/15/26 17:24	05/19/26 19:22	1
o-Terphenyl	139	S1+	70 - 130	05/15/26 17:24	05/19/26 19:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	596		10.1		mg/Kg			05/18/26 19:49	1

Client Sample ID: CS-16

Lab Sample ID: 890-9937-7

Date Collected: 05/14/26 10:44

Matrix: Solid

Date Received: 05/15/26 09:59

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		05/18/26 10:29	05/18/26 14:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 14:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 14:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 14:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 14:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/18/26 10:29	05/18/26 14:14	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-16

Lab Sample ID: 890-9937-7

Date Collected: 05/14/26 10:44

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	05/18/26 10:29	05/18/26 14:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/18/26 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	<50.0	U	50.0		mg/Kg			05/19/26 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/15/26 17:24	05/19/26 19:42	1
o-Terphenyl	124		70 - 130				05/15/26 17:24	05/19/26 19:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	364		10.0		mg/Kg			05/18/26 19:54	1

Client Sample ID: CS-17

Lab Sample ID: 890-9937-8

Date Collected: 05/14/26 10:28

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/18/26 10:29	05/18/26 14:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/18/26 10:29	05/18/26 14:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/18/26 10:29	05/18/26 14:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/18/26 10:29	05/18/26 14:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/18/26 10:29	05/18/26 14:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/18/26 10:29	05/18/26 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/18/26 10:29	05/18/26 14:34	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/18/26 10:29	05/18/26 14:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/18/26 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	<49.8	U	49.8		mg/Kg			05/19/26 20:02	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-17

Lab Sample ID: 890-9937-8

Date Collected: 05/14/26 10:28

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/15/26 17:24	05/19/26 20:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/15/26 17:24	05/19/26 20:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/15/26 17:24	05/19/26 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				05/15/26 17:24	05/19/26 20:02	1
o-Terphenyl	124		70 - 130				05/15/26 17:24	05/19/26 20:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		10.0		mg/Kg			05/18/26 19:59	1

Client Sample ID: CS-18

Lab Sample ID: 890-9937-9

Date Collected: 05/14/26 10:49

Matrix: Solid

Date Received: 05/15/26 09:59

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		05/18/26 10:29	05/18/26 14:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 14:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 14:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 14:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 14:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/18/26 10:29	05/18/26 14:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/18/26 10:29	05/18/26 14:55	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			05/18/26 14:55	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			05/19/26 20:23	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	<49.9	U	49.9		mg/Kg		05/15/26 17:24	05/19/26 20:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/15/26 17:24	05/19/26 20:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/15/26 17:24	05/19/26 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/15/26 17:24	05/19/26 20:23	1
o-Terphenyl	123		70 - 130				05/15/26 17:24	05/19/26 20:23	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-18

Lab Sample ID: 890-9937-9

Date Collected: 05/14/26 10:49

Matrix: Solid

Date Received: 05/15/26 09:59

Sample Depth: 0.5

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			05/18/26 20:14	1

Client Sample ID: CS-19

Lab Sample ID: 890-9937-10

Date Collected: 05/14/26 10:52

Matrix: Solid

Date Received: 05/15/26 09:59

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		05/18/26 10:29	05/18/26 15:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 15:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 15:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/18/26 10:29	05/18/26 15:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/18/26 10:29	05/18/26 15:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/18/26 10:29	05/18/26 15:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				05/18/26 10:29	05/18/26 15:16	1
1,4-Difluorobenzene (Surr)	108		70 - 130				05/18/26 10:29	05/18/26 15:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/18/26 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			05/19/26 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	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 20:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 20:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				05/15/26 17:24	05/19/26 20:43	1
o-Terphenyl	129		70 - 130				05/15/26 17:24	05/19/26 20:43	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			05/18/26 20:19	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-23

Lab Sample ID: 890-9937-11

Date Collected: 05/14/26 09:42

Matrix: Solid

Date Received: 05/15/26 09:59

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		05/18/26 10:29	05/18/26 16:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 16:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 16:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 16:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 16:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/26 10:29	05/18/26 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	05/18/26 10:29	05/18/26 16:51	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/18/26 10:29	05/18/26 16:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/18/26 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/19/26 21:03	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		05/15/26 17:24	05/19/26 21:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/15/26 17:24	05/19/26 21:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/15/26 17:24	05/19/26 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	05/15/26 17:24	05/19/26 21:03	1
o-Terphenyl	126		70 - 130	05/15/26 17:24	05/19/26 21:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		9.96		mg/Kg			05/18/26 20:34	1

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9937-1	CS-3	130	110
890-9937-1 MS	CS-3	83	94
890-9937-1 MSD	CS-3	107	102
890-9937-2	CS-10	126	112
890-9937-3	CS-12	108	97
890-9937-4	CS-13	120	101
890-9937-5	CS-14	117	106
890-9937-6	CS-15	117	106
890-9937-7	CS-16	112	104
890-9937-8	CS-17	109	106
890-9937-9	CS-18	107	96
890-9937-10	CS-19	121	108
890-9937-11	CS-23	138 S1+	107
LCS 880-141062/1-A	Lab Control Sample	92	103
LCSD 880-141062/2-A	Lab Control Sample Dup	95	98
MB 880-141062/5-A	Method Blank	110	97
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)
890-9937-1	CS-3	83	91
890-9937-2	CS-10	122	127
890-9937-2 MS	CS-10	122	120
890-9937-2 MSD	CS-10	114	113
890-9937-3	CS-12	133 S1+	141 S1+
890-9937-4	CS-13	117	124
890-9937-5	CS-14	120	130
890-9937-6	CS-15	130	139 S1+
890-9937-7	CS-16	117	124
890-9937-8	CS-17	123	124
890-9937-9	CS-18	120	123
890-9937-10	CS-19	125	129
890-9937-11	CS-23	123	126
LCS 880-141019/2-A	Lab Control Sample	129	129
LCS 880-141471/2-A	Lab Control Sample	88	86
LCSD 880-141019/3-A	Lab Control Sample Dup	131 S1+	128
LCSD 880-141471/3-A	Lab Control Sample Dup	132 S1+	126
MB 880-141019/1-A	Method Blank	109	125
MB 880-141471/1-A	Method Blank	65 S1-	74
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141062/5-A

Matrix: Solid

Analysis Batch: 141025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/18/26 10:29	05/18/26 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/26 10:29	05/18/26 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/18/26 10:29	05/18/26 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/18/26 10:29	05/18/26 11:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/18/26 10:29	05/18/26 11:48	1

Lab Sample ID: LCS 880-141062/1-A

Matrix: Solid

Analysis Batch: 141025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09625		mg/Kg		96	70 - 130
Toluene	0.100	0.09301		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.07913		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1667		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08513		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-141062/2-A

Matrix: Solid

Analysis Batch: 141025

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141062

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09393		mg/Kg		94	70 - 130	2	35
Toluene	0.100	0.09002		mg/Kg		90	70 - 130	3	35
Ethylbenzene	0.100	0.09605		mg/Kg		96	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.1863		mg/Kg		93	70 - 130	11	35
o-Xylene	0.100	0.09045		mg/Kg		90	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-9937-1 MS

Matrix: Solid

Analysis Batch: 141025

Client Sample ID: CS-3

Prep Type: Total/NA

Prep Batch: 141062

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07830		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.100	0.07885		mg/Kg		79	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9937-1 MS

Matrix: Solid

Analysis Batch: 141025

Client Sample ID: CS-3

Prep Type: Total/NA

Prep Batch: 141062

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.06859	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1399		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06851	F1	mg/Kg		69	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-9937-1 MSD

Matrix: Solid

Analysis Batch: 141025

Client Sample ID: CS-3

Prep Type: Total/NA

Prep Batch: 141062

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	0.08717		mg/Kg		87	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.08519		mg/Kg		85	70 - 130	8	35
Ethylbenzene	<0.00200	U F1	0.100	0.07328		mg/Kg		73	70 - 130	7	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1493		mg/Kg		75	70 - 130	7	35
o-Xylene	<0.00200	U F1	0.100	0.07534		mg/Kg		75	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-141019/1-A

Matrix: Solid

Analysis Batch: 141247

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141019

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		05/15/26 17:24	05/19/26 13:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 13:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/26 17:24	05/19/26 13:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	05/15/26 17:24	05/19/26 13:35	1
o-Terphenyl	125		70 - 130	05/15/26 17:24	05/19/26 13:35	1

Lab Sample ID: LCS 880-141019/2-A

Matrix: Solid

Analysis Batch: 141247

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	980.6		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1204		mg/Kg		120	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-141019/2-A

Matrix: Solid

Analysis Batch: 141247

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141019

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: LCSD 880-141019/3-A

Matrix: Solid

Analysis Batch: 141247

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141019

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	995.7		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1245		mg/Kg		125	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	131	S1+	70 - 130								
o-Terphenyl	128		70 - 130								

Lab Sample ID: 890-9937-2 MS

Matrix: Solid

Analysis Batch: 141247

Client Sample ID: CS-10

Prep Type: Total/NA

Prep Batch: 141019

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 F1	1000	733.4		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	847.7		mg/Kg		85	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	122		70 - 130								
o-Terphenyl	120		70 - 130								

Lab Sample ID: 890-9937-2 MSD

Matrix: Solid

Analysis Batch: 141247

Client Sample ID: CS-10

Prep Type: Total/NA

Prep Batch: 141019

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 F1	1000	689.6	F1	mg/Kg		67	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1000	818.1		mg/Kg		82	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	113		70 - 130								

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-141471/1-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141471

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		05/21/26 12:56	05/21/26 13:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 13:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/21/26 12:56	05/21/26 13:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				05/21/26 12:56	05/21/26 13:24	1
o-Terphenyl	74		70 - 130				05/21/26 12:56	05/21/26 13:24	1

Lab Sample ID: LCS 880-141471/2-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	886.6		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	905.7		mg/Kg		91	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	88		70 - 130				
o-Terphenyl	86		70 - 130				

Lab Sample ID: LCSD 880-141471/3-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141471

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1183	*1	mg/Kg		118	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	1000	1272	*1	mg/Kg		127	70 - 130	34	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	132	S1+	70 - 130						
o-Terphenyl	126		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141065/1-A

Matrix: Solid

Analysis Batch: 141103

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			05/18/26 17:48	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-141065/2-A

Matrix: Solid

Analysis Batch: 141103

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.0		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-141065/3-A

Matrix: Solid

Analysis Batch: 141103

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	244.6		mg/Kg		98	90 - 110	3	20

Lab Sample ID: 890-9937-8 MS

Matrix: Solid

Analysis Batch: 141103

Client Sample ID: CS-17

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	175		250	417.2		mg/Kg		97	90 - 110

Lab Sample ID: 890-9937-8 MSD

Matrix: Solid

Analysis Batch: 141103

Client Sample ID: CS-17

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	175		250	423.2		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 141025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-1	CS-3	Total/NA	Solid	8021B	141062
890-9937-2	CS-10	Total/NA	Solid	8021B	141062
890-9937-3	CS-12	Total/NA	Solid	8021B	141062
890-9937-4	CS-13	Total/NA	Solid	8021B	141062
890-9937-5	CS-14	Total/NA	Solid	8021B	141062
890-9937-6	CS-15	Total/NA	Solid	8021B	141062
890-9937-7	CS-16	Total/NA	Solid	8021B	141062
890-9937-8	CS-17	Total/NA	Solid	8021B	141062
890-9937-9	CS-18	Total/NA	Solid	8021B	141062
890-9937-10	CS-19	Total/NA	Solid	8021B	141062
890-9937-11	CS-23	Total/NA	Solid	8021B	141062
MB 880-141062/5-A	Method Blank	Total/NA	Solid	8021B	141062
LCS 880-141062/1-A	Lab Control Sample	Total/NA	Solid	8021B	141062
LCSD 880-141062/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141062
890-9937-1 MS	CS-3	Total/NA	Solid	8021B	141062
890-9937-1 MSD	CS-3	Total/NA	Solid	8021B	141062

Prep Batch: 141062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-1	CS-3	Total/NA	Solid	5035	
890-9937-2	CS-10	Total/NA	Solid	5035	
890-9937-3	CS-12	Total/NA	Solid	5035	
890-9937-4	CS-13	Total/NA	Solid	5035	
890-9937-5	CS-14	Total/NA	Solid	5035	
890-9937-6	CS-15	Total/NA	Solid	5035	
890-9937-7	CS-16	Total/NA	Solid	5035	
890-9937-8	CS-17	Total/NA	Solid	5035	
890-9937-9	CS-18	Total/NA	Solid	5035	
890-9937-10	CS-19	Total/NA	Solid	5035	
890-9937-11	CS-23	Total/NA	Solid	5035	
MB 880-141062/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141062/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141062/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9937-1 MS	CS-3	Total/NA	Solid	5035	
890-9937-1 MSD	CS-3	Total/NA	Solid	5035	

Analysis Batch: 141124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-1	CS-3	Total/NA	Solid	Total BTEX	
890-9937-2	CS-10	Total/NA	Solid	Total BTEX	
890-9937-3	CS-12	Total/NA	Solid	Total BTEX	
890-9937-4	CS-13	Total/NA	Solid	Total BTEX	
890-9937-5	CS-14	Total/NA	Solid	Total BTEX	
890-9937-6	CS-15	Total/NA	Solid	Total BTEX	
890-9937-7	CS-16	Total/NA	Solid	Total BTEX	
890-9937-8	CS-17	Total/NA	Solid	Total BTEX	
890-9937-9	CS-18	Total/NA	Solid	Total BTEX	
890-9937-10	CS-19	Total/NA	Solid	Total BTEX	
890-9937-11	CS-23	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 141019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-2	CS-10	Total/NA	Solid	8015NM Prep	
890-9937-3	CS-12	Total/NA	Solid	8015NM Prep	
890-9937-4	CS-13	Total/NA	Solid	8015NM Prep	
890-9937-5	CS-14	Total/NA	Solid	8015NM Prep	
890-9937-6	CS-15	Total/NA	Solid	8015NM Prep	
890-9937-7	CS-16	Total/NA	Solid	8015NM Prep	
890-9937-8	CS-17	Total/NA	Solid	8015NM Prep	
890-9937-9	CS-18	Total/NA	Solid	8015NM Prep	
890-9937-10	CS-19	Total/NA	Solid	8015NM Prep	
890-9937-11	CS-23	Total/NA	Solid	8015NM Prep	
MB 880-141019/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141019/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141019/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9937-2 MS	CS-10	Total/NA	Solid	8015NM Prep	
890-9937-2 MSD	CS-10	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-2	CS-10	Total/NA	Solid	8015B NM	141019
890-9937-3	CS-12	Total/NA	Solid	8015B NM	141019
890-9937-4	CS-13	Total/NA	Solid	8015B NM	141019
890-9937-5	CS-14	Total/NA	Solid	8015B NM	141019
890-9937-6	CS-15	Total/NA	Solid	8015B NM	141019
890-9937-7	CS-16	Total/NA	Solid	8015B NM	141019
890-9937-8	CS-17	Total/NA	Solid	8015B NM	141019
890-9937-9	CS-18	Total/NA	Solid	8015B NM	141019
890-9937-10	CS-19	Total/NA	Solid	8015B NM	141019
890-9937-11	CS-23	Total/NA	Solid	8015B NM	141019
MB 880-141019/1-A	Method Blank	Total/NA	Solid	8015B NM	141019
LCS 880-141019/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141019
LCSD 880-141019/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141019
890-9937-2 MS	CS-10	Total/NA	Solid	8015B NM	141019
890-9937-2 MSD	CS-10	Total/NA	Solid	8015B NM	141019

Analysis Batch: 141347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-1	CS-3	Total/NA	Solid	8015 NM	
890-9937-2	CS-10	Total/NA	Solid	8015 NM	
890-9937-3	CS-12	Total/NA	Solid	8015 NM	
890-9937-4	CS-13	Total/NA	Solid	8015 NM	
890-9937-5	CS-14	Total/NA	Solid	8015 NM	
890-9937-6	CS-15	Total/NA	Solid	8015 NM	
890-9937-7	CS-16	Total/NA	Solid	8015 NM	
890-9937-8	CS-17	Total/NA	Solid	8015 NM	
890-9937-9	CS-18	Total/NA	Solid	8015 NM	
890-9937-10	CS-19	Total/NA	Solid	8015 NM	
890-9937-11	CS-23	Total/NA	Solid	8015 NM	

Prep Batch: 141471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-1	CS-3	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 141471 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-141471/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141471/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141471/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-1	CS-3	Total/NA	Solid	8015B NM	141471
MB 880-141471/1-A	Method Blank	Total/NA	Solid	8015B NM	141471
LCS 880-141471/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141471
LCSD 880-141471/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141471

HPLC/IC

Leach Batch: 141065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-1	CS-3	Soluble	Solid	DI Leach	
890-9937-2	CS-10	Soluble	Solid	DI Leach	
890-9937-3	CS-12	Soluble	Solid	DI Leach	
890-9937-4	CS-13	Soluble	Solid	DI Leach	
890-9937-5	CS-14	Soluble	Solid	DI Leach	
890-9937-6	CS-15	Soluble	Solid	DI Leach	
890-9937-7	CS-16	Soluble	Solid	DI Leach	
890-9937-8	CS-17	Soluble	Solid	DI Leach	
890-9937-9	CS-18	Soluble	Solid	DI Leach	
890-9937-10	CS-19	Soluble	Solid	DI Leach	
890-9937-11	CS-23	Soluble	Solid	DI Leach	
MB 880-141065/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141065/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141065/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9937-8 MS	CS-17	Soluble	Solid	DI Leach	
890-9937-8 MSD	CS-17	Soluble	Solid	DI Leach	

Analysis Batch: 141103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9937-1	CS-3	Soluble	Solid	300.0	141065
890-9937-2	CS-10	Soluble	Solid	300.0	141065
890-9937-3	CS-12	Soluble	Solid	300.0	141065
890-9937-4	CS-13	Soluble	Solid	300.0	141065
890-9937-5	CS-14	Soluble	Solid	300.0	141065
890-9937-6	CS-15	Soluble	Solid	300.0	141065
890-9937-7	CS-16	Soluble	Solid	300.0	141065
890-9937-8	CS-17	Soluble	Solid	300.0	141065
890-9937-9	CS-18	Soluble	Solid	300.0	141065
890-9937-10	CS-19	Soluble	Solid	300.0	141065
890-9937-11	CS-23	Soluble	Solid	300.0	141065
MB 880-141065/1-A	Method Blank	Soluble	Solid	300.0	141065
LCS 880-141065/2-A	Lab Control Sample	Soluble	Solid	300.0	141065
LCSD 880-141065/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141065
890-9937-8 MS	CS-17	Soluble	Solid	300.0	141065
890-9937-8 MSD	CS-17	Soluble	Solid	300.0	141065

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-3

Lab Sample ID: 890-9937-1

Date Collected: 05/14/26 09:51

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 12:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 12:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/21/26 22:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141471	05/21/26 12:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/21/26 22:07	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	141103	05/18/26 19:14	CS	EET MID

Client Sample ID: CS-10

Lab Sample ID: 890-9937-2

Date Collected: 05/14/26 09:54

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 12:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 17:21	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 17:21	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 19:19	CS	EET MID

Client Sample ID: CS-12

Lab Sample ID: 890-9937-3

Date Collected: 05/14/26 10:01

Matrix: Solid

Date Received: 05/15/26 09:59

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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 12:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 18:21	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 18:21	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 19:34	CS	EET MID

Client Sample ID: CS-13

Lab Sample ID: 890-9937-4

Date Collected: 05/14/26 10:07

Matrix: Solid

Date Received: 05/15/26 09:59

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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 13:12	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-13

Lab Sample ID: 890-9937-4

Date Collected: 05/14/26 10:07

Matrix: Solid

Date Received: 05/15/26 09:59

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			141347	05/19/26 18:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 18:42	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	141103	05/18/26 19:39	CS	EET MID

Client Sample ID: CS-14

Lab Sample ID: 890-9937-5

Date Collected: 05/14/26 10:12

Matrix: Solid

Date Received: 05/15/26 09:59

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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 13:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 19:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 19:02	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 19:44	CS	EET MID

Client Sample ID: CS-15

Lab Sample ID: 890-9937-6

Date Collected: 05/14/26 10:18

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 13:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 19:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 19:22	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 19:49	CS	EET MID

Client Sample ID: CS-16

Lab Sample ID: 890-9937-7

Date Collected: 05/14/26 10:44

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 14:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 19:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 19:42	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-16

Lab Sample ID: 890-9937-7

Date Collected: 05/14/26 10:44

Matrix: Solid

Date Received: 05/15/26 09:59

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	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 19:54	CS	EET MID

Client Sample ID: CS-17

Lab Sample ID: 890-9937-8

Date Collected: 05/14/26 10:28

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 14:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 20:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 20:02	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 19:59	CS	EET MID

Client Sample ID: CS-18

Lab Sample ID: 890-9937-9

Date Collected: 05/14/26 10:49

Matrix: Solid

Date Received: 05/15/26 09:59

Prep 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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 14:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 14:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 20:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 20:23	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 20:14	CS	EET MID

Client Sample ID: CS-19

Lab Sample ID: 890-9937-10

Date Collected: 05/14/26 10:52

Matrix: Solid

Date Received: 05/15/26 09:59

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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 15:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 15:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 20:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 20:43	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 20:19	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Client Sample ID: CS-23
Date Collected: 05/14/26 09:42
Date Received: 05/15/26 09:59

Lab Sample ID: 890-9937-11
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	141062	05/18/26 10:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141025	05/18/26 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141124	05/18/26 16:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			141347	05/19/26 21:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141019	05/15/26 17:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141247	05/19/26 21:03	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141065	05/18/26 10:33	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141103	05/18/26 20:34	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
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9937-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9937-1	CS-3	Solid	05/14/26 09:51	05/15/26 09:59	0.25
890-9937-2	CS-10	Solid	05/14/26 09:54	05/15/26 09:59	0.25
890-9937-3	CS-12	Solid	05/14/26 10:01	05/15/26 09:59	0.25
890-9937-4	CS-13	Solid	05/14/26 10:07	05/15/26 09:59	0.5
890-9937-5	CS-14	Solid	05/14/26 10:12	05/15/26 09:59	0.25
890-9937-6	CS-15	Solid	05/14/26 10:18	05/15/26 09:59	0.25
890-9937-7	CS-16	Solid	05/14/26 10:44	05/15/26 09:59	0.5
890-9937-8	CS-17	Solid	05/14/26 10:28	05/15/26 09:59	0.25
890-9937-9	CS-18	Solid	05/14/26 10:49	05/15/26 09:59	0.5
890-9937-10	CS-19	Solid	05/14/26 10:52	05/15/26 09:59	0.5
890-9937-11	CS-23	Solid	05/14/26 09:42	05/15/26 09:59	0.5

Chain of Custody

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

Environment Testing
Xenco



890-9937 Chain of Custody

www.xenco.com Page 1 of 2

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:	gmorano@earthsys.net, michael.benini@earthsys.net

Project Name:	Right Meow 31 CTB 7	Turn Around	☒ Routine ☐ Rush
Project Number:	7221/9259	Due Date:	
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Michael Benini	Temp Blank:	Yes No
CC/ WO #:	21688331	Thermometer ID:	Wet Ice: Yes No

SAMPLE RECEIPT				Parameters				ANALYSIS REQUEST				Preservative Codes			
Samples Received Intact:	Yes No	Temp Blank:	Yes No	Temp Blank:	Yes No	Thermometer ID:	Wet Ice:	Yes No	None: NO	DI Water: H ₂ O					
Cooler Custody Seals:	Yes No	Yes No	Yes No	Yes No	Yes No	Correction Factor:	Temperature Reading:	Corrected Temperature:	Cool: Cool	MeOH: Me					
Sample Custody Seals:	Yes No	Yes No	Yes No	Yes No	Yes No	Temperature Reading:	Corrected Temperature:	Corrected Temperature:	HCL: HC	HNO ₃ : HN					
Total Containers:									H ₂ SO ₄ : H ₂	NaOH: Na					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/ Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI	Hold	24 Hr Rush	Sample Comments
CS-3	S	5/14/2026	9:51	0.25	Comp	1	X	X	X								Incident Number
CS-10	S	5/14/2026	9:54	0.25	Comp	1	X	X	X								nAPP2525125732
CS-12	S	5/14/2026	10:01	0.25	Comp	1	X	X	X								nAPP2606434775
CS-13	S	5/14/2026	10:07	0.5	Comp	1	X	X	X								
CS-14	S	5/14/2026	10:12	0.25	Comp	1	X	X	X								
CS-15	S	5/14/2026	10:18	0.25	Comp	1	X	X	X								
CS-16	S	5/14/2026	10:44	0.5	Comp	1	X	X	X								
CS-17	S	5/14/2026	10:28	0.25	Comp	1	X	X	X								
CS-18	S	5/14/2026	10:49	0.5	Comp	1	X	X	X								
CS-19	S	5/14/2026	10:52	0.5	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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471			

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Michael Benini	aduh	9:59 5/14			
3					
5					

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189



Environment Testing
Xenco

Work Order No:

www.xenco.com Page 2 of 2

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:	gmorano@earthsys.net, michael.benini@earthsys.net

Project Name:		Right Meow 31 CTB 7		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number:		7221/9259		☒ Routine ☐ Rush						None: NO DI Water: H ₂ O	
Project Location:		Lea County, NM		Due Date:						Cool: Cool MeOH: Me	
Sampler's Name:		Michael Benini		TAT starts the day received by the lab, if received by 4:30pm						HCL: HC HNO ₃ : HN	
CC/WO #:		21688331		Temp Blank:		Yes No				H ₂ SO ₄ : H ₂	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No		H ₃ PO ₄ : HP	
Samples Received Intact:		Yes No		Thermometer ID:						NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes No		Correction Factor:						Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes No		Temperature Reading:						Zn Acetate+NaOH: Zn	
Total Containers:		Yes No		Corrected Temperature:						NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI	Hold	24 Hr Rush	Sample Comments
CS-23	S	5/14/2026	9:42	0.5	Comp	1	X	X	X								Incident Number
																	nAPP2525125732
																	nAPP2606434775

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.					
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Michael Benini	alder	9:59 5/15			
3					
5					

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9937-1

SDG Number: Lea County, NM

Login Number: 9937

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: 890-9937-1

SDG Number: Lea County, NM

Login Number: 9937

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 05/18/26 09:09 AM

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



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/26/2026 12:33:35 PM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9947-1

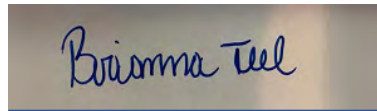
Eurofins Carlsbad

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
5/26/2026 12:33:35 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Laboratory Job ID: 890-9947-1
SDG: Lea 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	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	23

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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
Project: Right Meow 31 CTB 7

Job ID: 890-9947-1

Job ID: 890-9947-1

Eurofins Carlsbad

Job Narrative 890-9947-1

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 5/19/2026 8:40 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 -9.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (890-9947-1), CS-2 (890-9947-2), CS-20 (890-9947-3), CS-21 (890-9947-4) and CS-22 (890-9947-5).

GC VOA

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

Diesel Range Organics

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

HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141479 and analytical batch 880-141521 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Client Sample ID: CS-1

Lab Sample ID: 890-9947-1

Date Collected: 05/18/26 09:21

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/20/26 14:50	05/21/26 16:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/20/26 14:50	05/21/26 16:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/20/26 14:50	05/21/26 16:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/20/26 14:50	05/21/26 16:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/20/26 14:50	05/21/26 16:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/20/26 14:50	05/21/26 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/20/26 14:50	05/21/26 16:45	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/20/26 14:50	05/21/26 16:45	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			05/21/26 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/22/26 05:37	1

Method: SW846 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		05/19/26 09:30	05/22/26 05:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 05:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	05/19/26 09:30	05/22/26 05:37	1
o-Terphenyl	129		70 - 130	05/19/26 09:30	05/22/26 05:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3620	F1	49.7		mg/Kg			05/22/26 18:29	5

Client Sample ID: CS-2

Lab Sample ID: 890-9947-2

Date Collected: 05/18/26 09:24

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/20/26 14:50	05/21/26 17:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/20/26 14:50	05/21/26 17:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/20/26 14:50	05/21/26 17:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/20/26 14:50	05/21/26 17:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/20/26 14:50	05/21/26 17:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/20/26 14:50	05/21/26 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/20/26 14:50	05/21/26 17:06	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Client Sample ID: CS-2

Lab Sample ID: 890-9947-2

Date Collected: 05/18/26 09:24

Matrix: Solid

Date Received: 05/19/26 08:40

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	05/20/26 14:50	05/21/26 17:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/21/26 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/22/26 05:59	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		05/19/26 09:30	05/22/26 05:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 05:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 05:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/19/26 09:30	05/22/26 05:59	1
o-Terphenyl	109		70 - 130				05/19/26 09:30	05/22/26 05:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4610		49.9		mg/Kg			05/22/26 18:44	5

Client Sample ID: CS-20

Lab Sample ID: 890-9947-3

Date Collected: 05/18/26 09:07

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/20/26 14:50	05/21/26 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:50	05/21/26 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:50	05/21/26 17:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/26 14:50	05/21/26 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:50	05/21/26 17:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/26 14:50	05/21/26 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/20/26 14:50	05/21/26 17:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/20/26 14:50	05/21/26 17:27	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			05/21/26 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/22/26 06:39	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Client Sample ID: CS-20

Lab Sample ID: 890-9947-3

Date Collected: 05/18/26 09:07

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/19/26 09:30	05/22/26 06:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 06:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 06:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/19/26 09:30	05/22/26 06:39	1
o-Terphenyl	103		70 - 130				05/19/26 09:30	05/22/26 06:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		9.96		mg/Kg			05/22/26 18:49	1

Client Sample ID: CS-21

Lab Sample ID: 890-9947-4

Date Collected: 05/18/26 09:12

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/20/26 14:50	05/21/26 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:50	05/21/26 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:50	05/21/26 17:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/26 14:50	05/21/26 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:50	05/21/26 17:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/26 14:50	05/21/26 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/20/26 14:50	05/21/26 17:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/20/26 14:50	05/21/26 17:48	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			05/21/26 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/22/26 07:00	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		05/19/26 09:30	05/22/26 07:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 07:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 07:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				05/19/26 09:30	05/22/26 07:00	1
o-Terphenyl	92		70 - 130				05/19/26 09:30	05/22/26 07:00	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Client Sample ID: CS-21

Lab Sample ID: 890-9947-4

Date Collected: 05/18/26 09:12

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		10.0		mg/Kg			05/22/26 18:54	1

Client Sample ID: CS-22

Lab Sample ID: 890-9947-5

Date Collected: 05/18/26 09:16

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/20/26 14:50	05/21/26 18:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/26 14:50	05/21/26 18:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/26 14:50	05/21/26 18:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/26 14:50	05/21/26 18:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/26 14:50	05/21/26 18:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/26 14:50	05/21/26 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/20/26 14:50	05/21/26 18:08	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/20/26 14:50	05/21/26 18:08	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			05/21/26 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/22/26 07:20	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		05/19/26 09:30	05/22/26 07:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 07:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 07:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				05/19/26 09:30	05/22/26 07:20	1
o-Terphenyl	94		70 - 130				05/19/26 09:30	05/22/26 07:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	353		10.0		mg/Kg			05/22/26 19:00	1

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9947-1	CS-1	109	108
890-9947-2	CS-2	107	107
890-9947-3	CS-20	107	102
890-9947-4	CS-21	103	99
890-9947-5	CS-22	104	98
LCS 880-141246/1-A	Lab Control Sample	91	90
LCSD 880-141246/2-A	Lab Control Sample Dup	99	102
MB 880-141246/5-A	Method Blank	98	98
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)
890-9947-1	CS-1	110	129
890-9947-2	CS-2	99	109
890-9947-3	CS-20	92	103
890-9947-4	CS-21	81	92
890-9947-5	CS-22	79	94
LCS 880-141176/2-A	Lab Control Sample	101	104
LCSD 880-141176/3-A	Lab Control Sample Dup	117	119
MB 880-141176/1-A	Method Blank	92	104
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141246/5-A

Matrix: Solid

Analysis Batch: 141409

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141246

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/19/26 14:50	05/21/26 10:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/19/26 14:50	05/21/26 10:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/19/26 14:50	05/21/26 10:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/19/26 14:50	05/21/26 10:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/19/26 14:50	05/21/26 10:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/19/26 14:50	05/21/26 10:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/19/26 14:50	05/21/26 10:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/19/26 14:50	05/21/26 10:30	1

Lab Sample ID: LCS 880-141246/1-A

Matrix: Solid

Analysis Batch: 141409

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07223		mg/Kg		72	70 - 130
Toluene	0.100	0.07645		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.07843		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	0.200	0.1587		mg/Kg		79	70 - 130
o-Xylene	0.100	0.07960		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-141246/2-A

Matrix: Solid

Analysis Batch: 141409

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09265		mg/Kg		93	70 - 130	25	35
Toluene	0.100	0.09277		mg/Kg		93	70 - 130	19	35
Ethylbenzene	0.100	0.08936		mg/Kg		89	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1795		mg/Kg		90	70 - 130	12	35
o-Xylene	0.100	0.09202		mg/Kg		92	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-141176/1-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141176

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		05/19/26 09:30	05/22/26 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 01:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/19/26 09:30	05/22/26 01:11	1
o-Terphenyl	104		70 - 130				05/19/26 09:30	05/22/26 01:11	1

Lab Sample ID: LCS 880-141176/2-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	974.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1053		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-141176/3-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1254		mg/Kg		125	70 - 130	17	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	119		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141479/1-A

Matrix: Solid

Analysis Batch: 141521

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			05/22/26 18:13	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-141479/2-A

Matrix: Solid

Analysis Batch: 141521

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	253.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-141479/3-A

Matrix: Solid

Analysis Batch: 141521

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	250.0		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-9947-1 MS

Matrix: Solid

Analysis Batch: 141521

Client Sample ID: CS-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3620	F1	1240	5008	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 890-9947-1 MSD

Matrix: Solid

Analysis Batch: 141521

Client Sample ID: CS-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3620	F1	1240	5044	F1	mg/Kg		114	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

GC VOA

Prep Batch: 141246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9947-1	CS-1	Total/NA	Solid	5035	
890-9947-2	CS-2	Total/NA	Solid	5035	
890-9947-3	CS-20	Total/NA	Solid	5035	
890-9947-4	CS-21	Total/NA	Solid	5035	
890-9947-5	CS-22	Total/NA	Solid	5035	
MB 880-141246/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141246/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141246/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 141409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9947-1	CS-1	Total/NA	Solid	8021B	141246
890-9947-2	CS-2	Total/NA	Solid	8021B	141246
890-9947-3	CS-20	Total/NA	Solid	8021B	141246
890-9947-4	CS-21	Total/NA	Solid	8021B	141246
890-9947-5	CS-22	Total/NA	Solid	8021B	141246
MB 880-141246/5-A	Method Blank	Total/NA	Solid	8021B	141246
LCS 880-141246/1-A	Lab Control Sample	Total/NA	Solid	8021B	141246
LCSD 880-141246/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141246

Analysis Batch: 141535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9947-1	CS-1	Total/NA	Solid	Total BTEX	
890-9947-2	CS-2	Total/NA	Solid	Total BTEX	
890-9947-3	CS-20	Total/NA	Solid	Total BTEX	
890-9947-4	CS-21	Total/NA	Solid	Total BTEX	
890-9947-5	CS-22	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9947-1	CS-1	Total/NA	Solid	8015NM Prep	
890-9947-2	CS-2	Total/NA	Solid	8015NM Prep	
890-9947-3	CS-20	Total/NA	Solid	8015NM Prep	
890-9947-4	CS-21	Total/NA	Solid	8015NM Prep	
890-9947-5	CS-22	Total/NA	Solid	8015NM Prep	
MB 880-141176/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141176/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9947-1	CS-1	Total/NA	Solid	8015B NM	141176
890-9947-2	CS-2	Total/NA	Solid	8015B NM	141176
890-9947-3	CS-20	Total/NA	Solid	8015B NM	141176
890-9947-4	CS-21	Total/NA	Solid	8015B NM	141176
890-9947-5	CS-22	Total/NA	Solid	8015B NM	141176
MB 880-141176/1-A	Method Blank	Total/NA	Solid	8015B NM	141176
LCS 880-141176/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141176
LCSD 880-141176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141176

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 141606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9947-1	CS-1	Total/NA	Solid	8015 NM	
890-9947-2	CS-2	Total/NA	Solid	8015 NM	
890-9947-3	CS-20	Total/NA	Solid	8015 NM	
890-9947-4	CS-21	Total/NA	Solid	8015 NM	
890-9947-5	CS-22	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9947-1	CS-1	Soluble	Solid	DI Leach	
890-9947-2	CS-2	Soluble	Solid	DI Leach	
890-9947-3	CS-20	Soluble	Solid	DI Leach	
890-9947-4	CS-21	Soluble	Solid	DI Leach	
890-9947-5	CS-22	Soluble	Solid	DI Leach	
MB 880-141479/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9947-1 MS	CS-1	Soluble	Solid	DI Leach	
890-9947-1 MSD	CS-1	Soluble	Solid	DI Leach	

Analysis Batch: 141521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9947-1	CS-1	Soluble	Solid	300.0	141479
890-9947-2	CS-2	Soluble	Solid	300.0	141479
890-9947-3	CS-20	Soluble	Solid	300.0	141479
890-9947-4	CS-21	Soluble	Solid	300.0	141479
890-9947-5	CS-22	Soluble	Solid	300.0	141479
MB 880-141479/1-A	Method Blank	Soluble	Solid	300.0	141479
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	300.0	141479
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141479
890-9947-1 MS	CS-1	Soluble	Solid	300.0	141479
890-9947-1 MSD	CS-1	Soluble	Solid	300.0	141479

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Client Sample ID: CS-1

Lab Sample ID: 890-9947-1

Date Collected: 05/18/26 09:21

Matrix: Solid

Date Received: 05/19/26 08:40

Prep 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	141246	05/20/26 14:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141409	05/21/26 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141535	05/21/26 16:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141606	05/22/26 05:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 05:37	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 18:29	CS	EET MID

Client Sample ID: CS-2

Lab Sample ID: 890-9947-2

Date Collected: 05/18/26 09:24

Matrix: Solid

Date Received: 05/19/26 08:40

Prep 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	141246	05/20/26 14:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141409	05/21/26 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141535	05/21/26 17:06	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141606	05/22/26 05:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 05:59	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 18:44	CS	EET MID

Client Sample ID: CS-20

Lab Sample ID: 890-9947-3

Date Collected: 05/18/26 09:07

Matrix: Solid

Date Received: 05/19/26 08:40

Prep 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	141246	05/20/26 14:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141409	05/21/26 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141535	05/21/26 17:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141606	05/22/26 06:39	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 06:39	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 18:49	CS	EET MID

Client Sample ID: CS-21

Lab Sample ID: 890-9947-4

Date Collected: 05/18/26 09:12

Matrix: Solid

Date Received: 05/19/26 08:40

Prep 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	141246	05/20/26 14:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141409	05/21/26 17:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141535	05/21/26 17:48	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Client Sample ID: CS-21

Lab Sample ID: 890-9947-4

Date Collected: 05/18/26 09:12

Matrix: Solid

Date Received: 05/19/26 08:40

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			141606	05/22/26 07:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 07:00	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 18:54	CS	EET MID

Client Sample ID: CS-22

Lab Sample ID: 890-9947-5

Date Collected: 05/18/26 09:16

Matrix: Solid

Date Received: 05/19/26 08:40

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	141246	05/20/26 14:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141409	05/21/26 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141535	05/21/26 18:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141606	05/22/26 07:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 07:20	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 19:00	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
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. 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: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

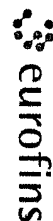
Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9947-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9947-1	CS-1	Solid	05/18/26 09:21	05/19/26 08:40	0.5
890-9947-2	CS-2	Solid	05/18/26 09:24	05/19/26 08:40	0.5
890-9947-3	CS-20	Solid	05/18/26 09:07	05/19/26 08:40	0.5
890-9947-4	CS-21	Solid	05/18/26 09:12	05/19/26 08:40	0.5
890-9947-5	CS-22	Solid	05/18/26 09:16	05/19/26 08:40	0.5

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



Environment Testing
Xenco

Houston TX (281) 240-4200 Dallas, TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-333-
EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392-7550, Carlsbad NM (575) 988-3199

Chain of Custody



890-9947 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 michael.bennin@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

[illegible]

Circle Method(s) and Metal(s) to be analyzed	200.6 / 6020:	200.7 / 6010
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
TI	Na	Sr
U	Sn	U
Zn		
8RCRA	Sb	As
Ba	Be	B
Cd	Ca	Cr
Co	Cu	Pb
Mn	Mo	Ni
Se	Ag	TI
U	Hg	1631 / 245 / 17470 / 7471
TCLP / SPLP 6010	8RCRA	

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated with Eurofins Xeno.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>Michael Davis</i>	<i>alsh</i>	8:00 5/14			
3		4			
5		6			

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



890-9947 Chain of Custody

Page 1 of 1

Environment Testing
Xenco

[illegible]

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

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	<i>Michael B. B...</i>	<i>alch</i>	8:44 5/19			
3						
4						
6						

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9947-1

SDG Number: Lea County, NM

Login Number: 9947

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: 890-9947-1

SDG Number: Lea County, NM

Login Number: 9947

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 05/20/26 10:41 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	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/26/2026 7:58:23 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9948-1

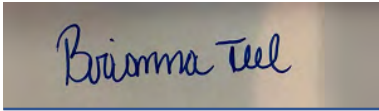
Eurofins Carlsbad

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
5/26/2026 7:58:23 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: Right Meow 31 CTB 7

Laboratory Job ID: 890-9948-1
SDG: Lea 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	21

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: Right Meow 31 CTB 7

Job ID: 890-9948-1

Job ID: 890-9948-1

Eurofins Carlsbad

Job Narrative 890-9948-1

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 5/19/2026 8:40 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 -9.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 (890-9948-1), SW-6 (890-9948-2) and SW-16 (890-9948-3).

GC VOA

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Client Sample ID: SW-1

Lab Sample ID: 890-9948-1

Date Collected: 05/18/26 09:50

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:03	05/21/26 22:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:03	05/21/26 22:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:03	05/21/26 22:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/20/26 14:03	05/21/26 22:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:03	05/21/26 22:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/20/26 14:03	05/21/26 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	05/20/26 14:03	05/21/26 22:40	1
1,4-Difluorobenzene (Surr)	77		70 - 130	05/20/26 14:03	05/21/26 22:40	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			05/21/26 22:40	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			05/22/26 07:40	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		05/19/26 09:30	05/22/26 07:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/19/26 09:30	05/22/26 07:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/19/26 09:30	05/22/26 07:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	05/19/26 09:30	05/22/26 07:40	1
o-Terphenyl	111		70 - 130	05/19/26 09:30	05/22/26 07:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		9.96		mg/Kg			05/22/26 19:15	1

Client Sample ID: SW-6

Lab Sample ID: 890-9948-2

Date Collected: 05/18/26 09:32

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 0-0.5

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		05/20/26 14:03	05/21/26 23:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/20/26 14:03	05/21/26 23:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/20/26 14:03	05/21/26 23:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/20/26 14:03	05/21/26 23:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/20/26 14:03	05/21/26 23:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/20/26 14:03	05/21/26 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/20/26 14:03	05/21/26 23:00	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Client Sample ID: SW-6

Lab Sample ID: 890-9948-2

Date Collected: 05/18/26 09:32

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 0-0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88		70 - 130	05/20/26 14:03	05/21/26 23:00	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			05/21/26 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/22/26 08:01	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		05/19/26 09:30	05/22/26 08:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/19/26 09:30	05/22/26 08:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/19/26 09:30	05/22/26 08:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/19/26 09:30	05/22/26 08:01	1
o-Terphenyl	111		70 - 130				05/19/26 09:30	05/22/26 08:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		9.92		mg/Kg			05/22/26 19:20	1

Client Sample ID: SW-16

Lab Sample ID: 890-9948-3

Date Collected: 05/18/26 09:36

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 0-0.5

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		05/20/26 14:03	05/21/26 23:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/20/26 14:03	05/21/26 23:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/20/26 14:03	05/21/26 23:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/20/26 14:03	05/21/26 23:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/20/26 14:03	05/21/26 23:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/20/26 14:03	05/21/26 23:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/20/26 14:03	05/21/26 23:21	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/20/26 14:03	05/21/26 23:21	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			05/21/26 23:21	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			05/22/26 08:21	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Client Sample ID: SW-16**Lab Sample ID: 890-9948-3****Date Collected: 05/18/26 09:36****Matrix: Solid****Date Received: 05/19/26 08:40****Sample Depth: 0-0.5****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	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 08:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 08:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/26 09:30	05/22/26 08:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/19/26 09:30	05/22/26 08:21	1
o-Terphenyl	104		70 - 130				05/19/26 09:30	05/22/26 08:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	303		10.1		mg/Kg			05/22/26 19:25	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9948-1	SW-1	80	77
890-9948-1 MS	SW-1	92	99
890-9948-1 MSD	SW-1	91	99
890-9948-2	SW-6	88	88
890-9948-3	SW-16	104	87
LCS 880-141358/1-A	Lab Control Sample	86	99
LCSD 880-141358/2-A	Lab Control Sample Dup	96	98
MB 880-141358/5-A	Method Blank	103	92
MB 880-141412/5-A	Method Blank	97	89
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)
890-9948-1	SW-1	102	111
890-9948-2	SW-6	101	111
890-9948-3	SW-16	93	104
LCS 880-141176/2-A	Lab Control Sample	101	104
LCSD 880-141176/3-A	Lab Control Sample Dup	117	119
MB 880-141176/1-A	Method Blank	92	104
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141358/5-A

Matrix: Solid

Analysis Batch: 141410

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:03	05/21/26 22:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:03	05/21/26 22:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:03	05/21/26 22:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/26 14:03	05/21/26 22:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:03	05/21/26 22:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/26 14:03	05/21/26 22:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/20/26 14:03	05/21/26 22:18	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/20/26 14:03	05/21/26 22:18	1

Lab Sample ID: LCS 880-141358/1-A

Matrix: Solid

Analysis Batch: 141410

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08495		mg/Kg		85	70 - 130
Toluene	0.100	0.08128		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08417		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1612		mg/Kg		81	70 - 130
o-Xylene	0.100	0.07954		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-141358/2-A

Matrix: Solid

Analysis Batch: 141410

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141358

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08180		mg/Kg		82	70 - 130	4	35
Toluene	0.100	0.08181		mg/Kg		82	70 - 130	1	35
Ethylbenzene	0.100	0.08542		mg/Kg		85	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1662		mg/Kg		83	70 - 130	3	35
o-Xylene	0.100	0.08230		mg/Kg		82	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-9948-1 MS

Matrix: Solid

Analysis Batch: 141410

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 141358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08587		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.08283		mg/Kg		83	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9948-1 MS

Matrix: Solid

Analysis Batch: 141410

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 141358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08621		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1712		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.100	0.08371		mg/Kg		84	70 - 130

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

Lab Sample ID: 890-9948-1 MSD

Matrix: Solid

Analysis Batch: 141410

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 141358

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	0.08726		mg/Kg		87	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08750		mg/Kg		88	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09077		mg/Kg		91	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1793		mg/Kg		90	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.08787		mg/Kg		88	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-141412/5-A

Matrix: Solid

Analysis Batch: 141410

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/26 08:27	05/21/26 10:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/26 08:27	05/21/26 10:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/26 08:27	05/21/26 10:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/26 08:27	05/21/26 10:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/26 08:27	05/21/26 10:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/26 08:27	05/21/26 10:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/21/26 08:27	05/21/26 10:50	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/21/26 08:27	05/21/26 10:50	1

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

Lab Sample ID: MB 880-141176/1-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141176

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		05/19/26 09:30	05/22/26 01:11	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-141176/1-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141176

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		05/19/26 09:30	05/22/26 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 01:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/19/26 09:30	05/22/26 01:11	1
o-Terphenyl	104		70 - 130				05/19/26 09:30	05/22/26 01:11	1

Lab Sample ID: LCS 880-141176/2-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	974.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1053		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-141176/3-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1254		mg/Kg		125	70 - 130	17	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	119		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141479/1-A

Matrix: Solid

Analysis Batch: 141521

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			05/22/26 18:13	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-141479/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 141521									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	253.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-141479/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 141521									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.0		mg/Kg		100	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

GC VOA

Prep Batch: 141358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9948-1	SW-1	Total/NA	Solid	5035	
890-9948-2	SW-6	Total/NA	Solid	5035	
890-9948-3	SW-16	Total/NA	Solid	5035	
MB 880-141358/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141358/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141358/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9948-1 MS	SW-1	Total/NA	Solid	5035	
890-9948-1 MSD	SW-1	Total/NA	Solid	5035	

Analysis Batch: 141410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9948-1	SW-1	Total/NA	Solid	8021B	141358
890-9948-2	SW-6	Total/NA	Solid	8021B	141358
890-9948-3	SW-16	Total/NA	Solid	8021B	141358
MB 880-141358/5-A	Method Blank	Total/NA	Solid	8021B	141358
MB 880-141412/5-A	Method Blank	Total/NA	Solid	8021B	141412
LCS 880-141358/1-A	Lab Control Sample	Total/NA	Solid	8021B	141358
LCSD 880-141358/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141358
890-9948-1 MS	SW-1	Total/NA	Solid	8021B	141358
890-9948-1 MSD	SW-1	Total/NA	Solid	8021B	141358

Prep Batch: 141412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-141412/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 141541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9948-1	SW-1	Total/NA	Solid	Total BTEX	
890-9948-2	SW-6	Total/NA	Solid	Total BTEX	
890-9948-3	SW-16	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9948-1	SW-1	Total/NA	Solid	8015NM Prep	
890-9948-2	SW-6	Total/NA	Solid	8015NM Prep	
890-9948-3	SW-16	Total/NA	Solid	8015NM Prep	
MB 880-141176/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141176/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9948-1	SW-1	Total/NA	Solid	8015B NM	141176
890-9948-2	SW-6	Total/NA	Solid	8015B NM	141176
890-9948-3	SW-16	Total/NA	Solid	8015B NM	141176
MB 880-141176/1-A	Method Blank	Total/NA	Solid	8015B NM	141176
LCS 880-141176/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141176
LCSD 880-141176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141176

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 141607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9948-1	SW-1	Total/NA	Solid	8015 NM	
890-9948-2	SW-6	Total/NA	Solid	8015 NM	
890-9948-3	SW-16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9948-1	SW-1	Soluble	Solid	DI Leach	
890-9948-2	SW-6	Soluble	Solid	DI Leach	
890-9948-3	SW-16	Soluble	Solid	DI Leach	
MB 880-141479/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 141521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9948-1	SW-1	Soluble	Solid	300.0	141479
890-9948-2	SW-6	Soluble	Solid	300.0	141479
890-9948-3	SW-16	Soluble	Solid	300.0	141479
MB 880-141479/1-A	Method Blank	Soluble	Solid	300.0	141479
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	300.0	141479
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141479

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Client Sample ID: SW-1**Lab Sample ID: 890-9948-1****Date Collected: 05/18/26 09:50****Matrix: Solid****Date Received: 05/19/26 08:40**

Prep 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	141358	05/20/26 14:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141410	05/21/26 22:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141541	05/21/26 22:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141607	05/22/26 07:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 07:40	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 19:15	CS	EET MID

Client Sample ID: SW-6**Lab Sample ID: 890-9948-2****Date Collected: 05/18/26 09:32****Matrix: Solid****Date Received: 05/19/26 08:40**

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	141358	05/20/26 14:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141410	05/21/26 23:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141541	05/21/26 23:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141607	05/22/26 08:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 08:01	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 19:20	CS	EET MID

Client Sample ID: SW-16**Lab Sample ID: 890-9948-3****Date Collected: 05/18/26 09:36****Matrix: Solid****Date Received: 05/19/26 08:40**

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	141358	05/20/26 14:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141410	05/21/26 23:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141541	05/21/26 23:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141607	05/22/26 08:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 08:21	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 19:25	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by Texas NELAP T 104704400. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9948-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9948-1	SW-1	Solid	05/18/26 09:50	05/19/26 08:40	0-0.25
890-9948-2	SW-6	Solid	05/18/26 09:32	05/19/26 08:40	0-0.5
890-9948-3	SW-16	Solid	05/18/26 09:36	05/19/26 08:40	0-0.5

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

Chain of Custody

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

Environment Testing
Xenco



390-9948 Chain of Custody

Page 1 of 1

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 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, michael.benini@earthsys.net

[illegible]

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	<i>Michael Weiss</i>	<i>alder</i>	8:40 5/14			
2						
3						
4						
5						
6						

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9948-1

SDG Number: Lea County, NM

Login Number: 9948

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: 890-9948-1

SDG Number: Lea County, NM

Login Number: 9948

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 05/20/26 10:41 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	



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/26/2026 7:58:23 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9949-1

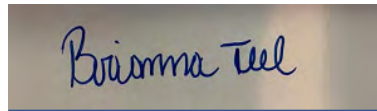
Eurofins Carlsbad

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
5/26/2026 7:58:23 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: Right Meow 31 CTB 7

Laboratory Job ID: 890-9949-1
SDG: Lea 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	17

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Earth Systems Response and Restoration
Project: Right Meow 31 CTB 7

Job ID: 890-9949-1

Job ID: 890-9949-1

Eurofins Carlsbad

Job Narrative 890-9949-1

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 sample was received on 5/19/2026 8:40 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 -9.6°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CS-25 (890-9949-1).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-141444 recovered above the upper control limit for o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-141444/33).

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.

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

Client Sample ID: CS-25

Lab Sample ID: 890-9949-1

Date Collected: 05/18/26 09:58

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/20/26 14:11	05/21/26 21:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/20/26 14:11	05/21/26 21:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/20/26 14:11	05/21/26 21:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/20/26 14:11	05/21/26 21:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/20/26 14:11	05/21/26 21:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/20/26 14:11	05/21/26 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/20/26 14:11	05/21/26 21:52	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/20/26 14:11	05/21/26 21:52	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			05/21/26 21:52	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			05/22/26 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	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 08:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 08:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 08:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/19/26 09:30	05/22/26 08:41	1
o-Terphenyl	123		70 - 130	05/19/26 09:30	05/22/26 08:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4200		50.2		mg/Kg			05/22/26 19:30	5

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9949-1	CS-25	121	86
LCS 880-141364/1-A	Lab Control Sample	92	103
LCSD 880-141364/2-A	Lab Control Sample Dup	103	112
MB 880-141364/5-A	Method Blank	279 S1+	131 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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9949-1	CS-25	108	123
LCS 880-141176/2-A	Lab Control Sample	101	104
LCSD 880-141176/3-A	Lab Control Sample Dup	117	119
MB 880-141176/1-A	Method Blank	92	104

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141364/5-A

Matrix: Solid

Analysis Batch: 141444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:11	05/21/26 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:11	05/21/26 13:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:11	05/21/26 13:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/20/26 14:11	05/21/26 13:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/20/26 14:11	05/21/26 13:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/20/26 14:11	05/21/26 13:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	279	S1+	70 - 130	05/20/26 14:11	05/21/26 13:25	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	05/20/26 14:11	05/21/26 13:25	1

Lab Sample ID: LCS 880-141364/1-A

Matrix: Solid

Analysis Batch: 141444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09530		mg/Kg		95	70 - 130
Toluene	0.100	0.08982		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09761		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1834		mg/Kg		92	70 - 130
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-141364/2-A

Matrix: Solid

Analysis Batch: 141444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1097		mg/Kg		110	70 - 130	14	35
Toluene	0.100	0.09355		mg/Kg		94	70 - 130	4	35
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2058		mg/Kg		103	70 - 130	12	35
o-Xylene	0.100	0.1183		mg/Kg		118	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-141176/1-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141176

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		05/19/26 09:30	05/22/26 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 01:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/19/26 09:30	05/22/26 01:11	1
o-Terphenyl	104		70 - 130				05/19/26 09:30	05/22/26 01:11	1

Lab Sample ID: LCS 880-141176/2-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	974.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1053		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-141176/3-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1254		mg/Kg		125	70 - 130	17	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	119		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141479/1-A

Matrix: Solid

Analysis Batch: 141521

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			05/22/26 18:13	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-141479/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 141521									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	253.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-141479/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 141521									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.0		mg/Kg		100	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

GC VOA

Prep Batch: 141364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9949-1	CS-25	Total/NA	Solid	5035	
MB 880-141364/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141364/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141364/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 141444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9949-1	CS-25	Total/NA	Solid	8021B	141364
MB 880-141364/5-A	Method Blank	Total/NA	Solid	8021B	141364
LCS 880-141364/1-A	Lab Control Sample	Total/NA	Solid	8021B	141364
LCSD 880-141364/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141364

Analysis Batch: 141551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9949-1	CS-25	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9949-1	CS-25	Total/NA	Solid	8015NM Prep	
MB 880-141176/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141176/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9949-1	CS-25	Total/NA	Solid	8015B NM	141176
MB 880-141176/1-A	Method Blank	Total/NA	Solid	8015B NM	141176
LCS 880-141176/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141176
LCSD 880-141176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141176

Analysis Batch: 141608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9949-1	CS-25	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9949-1	CS-25	Soluble	Solid	DI Leach	
MB 880-141479/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 141521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9949-1	CS-25	Soluble	Solid	300.0	141479
MB 880-141479/1-A	Method Blank	Soluble	Solid	300.0	141479
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	300.0	141479
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141479

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

Client Sample ID: CS-25
Date Collected: 05/18/26 09:58
Date Received: 05/19/26 08:40

Lab Sample ID: 890-9949-1
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			4.95 g	5 mL	141364	05/20/26 14:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141444	05/21/26 21:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141551	05/21/26 21:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141608	05/22/26 08:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 08:41	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 19:30	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
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9949-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9949-1	CS-25	Solid	05/18/26 09:58	05/19/26 08:40	0.5

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

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



890-9949 Chain of Custody

www.xenco.com Page 1 of 1

Work Order Comments

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

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

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

Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

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, michael.benini@earthsys.net

Project Name: Right Meow 31 CTB 7		Turn Around		Parameters		ANALYSIS REQUEST										Preservative Codes						
Project Number: 9953	Temp Blank: Yes No	Wet Ice: Yes No	Thermometer ID: 11111111	Correction Factor: 0.2	Temperature Reading: 29.8	Corrected Temperature: 29.6	Time Sampled: 9:58	Date Sampled: 5/18/2026	Matrix: S	Sample Identification: CS-25	Sample Comments: 24 Hr Rush	Incident Number: nAPP2613145609										
													None: NO	DI Water: H ₂ O								
													Cool: Cool	MeOH: Me								
													HCL: HC	HNO ₃ : HN								
													H ₂ SO ₄ : H ₂	NaOH: Na								
													H ₃ PO ₄ : HP									
													NaHSO ₄ : NABIS									
													Na ₂ S ₂ O ₃ : NaSO ₃									
													Zn Acetate+NaOH: Zn									
													NaOH+Ascorbic Acid: SAPC									

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

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 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 Michael Benini	John	8:10 5/17			
3					
5					

Revised Date: 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9949-1

SDG Number: Lea County, NM

Login Number: 9949

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: 890-9949-1

SDG Number: Lea County, NM

Login Number: 9949

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 05/20/26 10:41 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	



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 5/26/2026 12:33:35 PM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9951-1

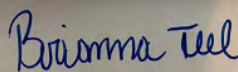
Eurofins Carlsbad

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
5/26/2026 12:33:35 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Laboratory Job ID: 890-9951-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
Project: Right Meow 31 CTB 7

Job ID: 890-9951-1

Job ID: 890-9951-1

Eurofins Carlsbad

Job Narrative 890-9951-1

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 5/19/2026 8:40 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 -9.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-17 (890-9951-1) and SW-18 (890-9951-2).

GC VOA

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-141197/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-141650 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-141650/140).

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Client Sample ID: SW-17

Lab Sample ID: 890-9951-1

Date Collected: 05/18/26 10:01

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 0-0.5

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		05/21/26 08:27	05/21/26 19:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/26 08:27	05/21/26 19:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/26 08:27	05/21/26 19:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/26 08:27	05/21/26 19:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/26 08:27	05/21/26 19:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/26 08:27	05/21/26 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/21/26 08:27	05/21/26 19:11	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/21/26 08:27	05/21/26 19:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/21/26 19:11	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			05/23/26 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/19/26 10:46	05/23/26 22:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/26 10:46	05/23/26 22:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/26 10:46	05/23/26 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	05/19/26 10:46	05/23/26 22:26	1
o-Terphenyl	76		70 - 130	05/19/26 10:46	05/23/26 22:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3710		50.2		mg/Kg			05/22/26 20:32	5

Client Sample ID: SW-18

Lab Sample ID: 890-9951-2

Date Collected: 05/18/26 10:03

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 0-0.5

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		05/21/26 08:27	05/21/26 19:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/26 08:27	05/21/26 19:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/26 08:27	05/21/26 19:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/21/26 08:27	05/21/26 19:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/26 08:27	05/21/26 19:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/21/26 08:27	05/21/26 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	05/21/26 08:27	05/21/26 19:31	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Client Sample ID: SW-18

Lab Sample ID: 890-9951-2

Date Collected: 05/18/26 10:03

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 0-0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	05/21/26 08:27	05/21/26 19:31	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			05/21/26 19:31	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			05/23/26 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 22:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 22:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				05/19/26 10:46	05/23/26 22:42	1
o-Terphenyl	91		70 - 130				05/19/26 10:46	05/23/26 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5150		50.5		mg/Kg			05/22/26 20:37	5

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9951-1	SW-17	118	87
890-9951-2	SW-18	130	90
LCS 880-141411/1-A	Lab Control Sample	111	90
LCSD 880-141411/2-A	Lab Control Sample Dup	111	91
MB 880-141411/5-A	Method Blank	123	80
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)
890-9951-1	SW-17	73	76
890-9951-2	SW-18	87	91
LCS 880-141197/2-A	Lab Control Sample	113	127
LCSD 880-141197/3-A	Lab Control Sample Dup	113	130
MB 880-141197/1-A	Method Blank	125	133 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141411/5-A

Matrix: Solid

Analysis Batch: 141417

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/26 08:27	05/21/26 10:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/26 08:27	05/21/26 10:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/26 08:27	05/21/26 10:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/26 08:27	05/21/26 10:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/26 08:27	05/21/26 10:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/26 08:27	05/21/26 10:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	05/21/26 08:27	05/21/26 10:00	1
1,4-Difluorobenzene (Surr)	80		70 - 130	05/21/26 08:27	05/21/26 10:00	1

Lab Sample ID: LCS 880-141411/1-A

Matrix: Solid

Analysis Batch: 141417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08496		mg/Kg		85	70 - 130
Toluene	0.100	0.07930		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.07933		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1611		mg/Kg		81	70 - 130
o-Xylene	0.100	0.09053		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-141411/2-A

Matrix: Solid

Analysis Batch: 141417

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141411

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08421		mg/Kg		84	70 - 130	1	35
Toluene	0.100	0.07716		mg/Kg		77	70 - 130	3	35
Ethylbenzene	0.100	0.08027		mg/Kg		80	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1623		mg/Kg		81	70 - 130	1	35
o-Xylene	0.100	0.08954		mg/Kg		90	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-141197/1-A

Matrix: Solid

Analysis Batch: 141650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141197

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		05/19/26 10:46	05/23/26 19:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 19:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 19:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				05/19/26 10:46	05/23/26 19:10	1
o-Terphenyl	133	S1+	70 - 130				05/19/26 10:46	05/23/26 19:10	1

Lab Sample ID: LCS 880-141197/2-A

Matrix: Solid

Analysis Batch: 141650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	945.5		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	113		70 - 130				
o-Terphenyl	127		70 - 130				

Lab Sample ID: LCSD 880-141197/3-A

Matrix: Solid

Analysis Batch: 141650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141197

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	936.4		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	130		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141479/1-A

Matrix: Solid

Analysis Batch: 141521

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			05/22/26 18:13	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-141479/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 141521									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	253.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-141479/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 141521									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.0		mg/Kg		100	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

GC VOA

Prep Batch: 141411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9951-1	SW-17	Total/NA	Solid	5035	
890-9951-2	SW-18	Total/NA	Solid	5035	
MB 880-141411/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141411/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141411/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 141417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9951-1	SW-17	Total/NA	Solid	8021B	141411
890-9951-2	SW-18	Total/NA	Solid	8021B	141411
MB 880-141411/5-A	Method Blank	Total/NA	Solid	8021B	141411
LCS 880-141411/1-A	Lab Control Sample	Total/NA	Solid	8021B	141411
LCSD 880-141411/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141411

Analysis Batch: 141544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9951-1	SW-17	Total/NA	Solid	Total BTEX	
890-9951-2	SW-18	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9951-1	SW-17	Total/NA	Solid	8015NM Prep	
890-9951-2	SW-18	Total/NA	Solid	8015NM Prep	
MB 880-141197/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141197/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9951-1	SW-17	Total/NA	Solid	8015B NM	141197
890-9951-2	SW-18	Total/NA	Solid	8015B NM	141197
MB 880-141197/1-A	Method Blank	Total/NA	Solid	8015B NM	141197
LCS 880-141197/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141197
LCSD 880-141197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141197

Analysis Batch: 141743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9951-1	SW-17	Total/NA	Solid	8015 NM	
890-9951-2	SW-18	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 141479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9951-1	SW-17	Soluble	Solid	DI Leach	
890-9951-2	SW-18	Soluble	Solid	DI Leach	
MB 880-141479/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 141521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9951-1	SW-17	Soluble	Solid	300.0	141479
890-9951-2	SW-18	Soluble	Solid	300.0	141479
MB 880-141479/1-A	Method Blank	Soluble	Solid	300.0	141479
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	300.0	141479
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141479

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Client Sample ID: SW-17
Date Collected: 05/18/26 10:01
Date Received: 05/19/26 08:40

Lab Sample ID: 890-9951-1
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			4.97 g	5 mL	141411	05/21/26 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141417	05/21/26 19:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141544	05/21/26 19:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141743	05/23/26 22:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	141197	05/19/26 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 22:26	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 20:32	CS	EET MID

Client Sample ID: SW-18
Date Collected: 05/18/26 10:03
Date Received: 05/19/26 08:40

Lab Sample ID: 890-9951-2
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	141411	05/21/26 08:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141417	05/21/26 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141544	05/21/26 19:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			141743	05/23/26 22:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141197	05/19/26 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 22:42	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 20:37	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
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9951-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9951-1	SW-17	Solid	05/18/26 10:01	05/19/26 08:40	0-0.5
890-9951-2	SW-18	Solid	05/18/26 10:03	05/19/26 08:40	0-0.5

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9951-1

SDG Number: Lea County, NM

Login Number: 9951

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: 890-9951-1

SDG Number: Lea County, NM

Login Number: 9951

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 05/20/26 10:41 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	



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706
Generated 4/2/2026 11:08:29 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County New Mexico

JOB NUMBER

890-9674-1

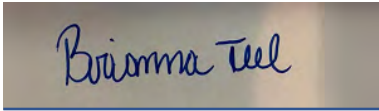
Eurofins Carlsbad

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
4/2/2026 11:08:29 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: Right Meow 31 CTB 7

Laboratory Job ID: 890-9674-1
SDG: Lea County New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	23
QC Sample Results	25
QC Association Summary	31
Lab Chronicle	37
Certification Summary	44
Method Summary	45
Sample Summary	46
Chain of Custody	47
Receipt Checklists	52

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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
*+	LCS and/or LCSD is outside acceptance limits, high 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.

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
Project: Right Meow 31 CTB 7

Job ID: 890-9674-1

Job ID: 890-9674-1

Eurofins Carlsbad

Job Narrative 890-9674-1

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

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

Receipt

The samples were received on 3/19/2026 11:26 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 samples were outside control limits: HA-1 (890-9674-1), HA-1 (890-9674-2), HA-2 (890-9674-3), HA-2 (890-9674-4), HA-2 (890-9674-5), HA-3 (890-9674-6), HA-3 (890-9674-7), HA-3 (890-9674-8), HA-4 (890-9674-9), HA-4 (890-9674-10), HA-4 (890-9674-11), HA-5 (890-9674-12), HA-5 (890-9674-13), HA-5 (890-9674-14), HA-6 (890-9674-15), HA-6 (890-9674-16), HA-6 (890-9674-17), HA-7 (890-9674-18), HA-7 (890-9674-19), HA-7 (890-9674-20), (CCV 880-135855/20), (CCV 880-135855/51), (LCSD 880-135879/2-A) and (MB 880-135879/5-A). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: HA-1 (890-9674-1), HA-1 (890-9674-2), HA-2 (890-9674-3), HA-2 (890-9674-4), HA-2 (890-9674-5) and HA-3 (890-9674-6). Evidence of matrix interferences is not obvious. Samples were inadvertently prepped with half the surrogate amounts.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-136047 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: (CCV 880-136047/110) and (CCV 880-136047/57).

Method 8015B NM: The laboratory control sample (LCS) associated with preparation batch 880-135687 and analytical batch 880-136047 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: HA-7 (890-9674-18), (LCS 880-135687/2-A) and (LCSD 880-135687/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-135561 and analytical batch 880-135605 were outside control limits for Chloride. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: HA-6 (890-9674-15), HA-6 (890-9674-16), HA-6 (890-9674-17), HA-7 (890-9674-18), HA-7 (890-9674-19), HA-7 (890-9674-20), (890-9674-A-15-B MS) and (890-9674-A-15-C MSD).

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

Eurofins Carlsbad

Case Narrative

Client: Earth Systems Response and Restoration
Project: Right Meow 31 CTB 7

Job ID: 890-9674-1

Job ID: 890-9674-1 (Continued)

Eurofins Carlsbad

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-1

Lab Sample ID: 890-9674-1

Date Collected: 03/18/26 09:00

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/25/26 21:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 21:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 21:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/25/26 21:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 21:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/25/26 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	03/25/26 11:31	03/25/26 21:52	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/25/26 11:31	03/25/26 21:52	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			03/25/26 21:52	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			03/26/26 09:41	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		03/23/26 13:21	03/26/26 09:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/26 13:21	03/26/26 09:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:21	03/26/26 09:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	44	S1-	70 - 130	03/23/26 13:21	03/26/26 09:41	1
o-Terphenyl	44	S1-	70 - 130	03/23/26 13:21	03/26/26 09:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6070		99.2		mg/Kg			03/23/26 11:59	10

Client Sample ID: HA-1

Lab Sample ID: 890-9674-2

Date Collected: 03/18/26 09:05

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/25/26 22:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/25/26 22:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/25/26 22:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/25/26 22:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/25/26 22:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/25/26 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	03/25/26 11:31	03/25/26 22:13	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-1

Lab Sample ID: 890-9674-2

Date Collected: 03/18/26 09:05

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	03/25/26 11:31	03/25/26 22:13	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			03/25/26 22:13	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			03/26/26 10:00	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		03/23/26 13:21	03/26/26 10:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/26 13:21	03/26/26 10:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:21	03/26/26 10:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	36	S1-	70 - 130				03/23/26 13:21	03/26/26 10:00	1
o-Terphenyl	31	S1-	70 - 130				03/23/26 13:21	03/26/26 10:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3670		50.4		mg/Kg			03/23/26 12:05	5

Client Sample ID: HA-2

Lab Sample ID: 890-9674-3

Date Collected: 03/18/26 09:10

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/25/26 22:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:31	03/25/26 22:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:31	03/25/26 22:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/25/26 11:31	03/25/26 22:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:31	03/25/26 22:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/25/26 11:31	03/25/26 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	03/25/26 11:31	03/25/26 22:34	1
1,4-Difluorobenzene (Surr)	112		70 - 130	03/25/26 11:31	03/25/26 22:34	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			03/25/26 22:34	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			03/26/26 10:19	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-2

Lab Sample ID: 890-9674-3

Date Collected: 03/18/26 09:10

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/23/26 13:21	03/26/26 10:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 10:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 10:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	46	S1-	70 - 130				03/23/26 13:21	03/26/26 10:19	1
o-Terphenyl	47	S1-	70 - 130				03/23/26 13:21	03/26/26 10:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8490		100		mg/Kg			03/23/26 12:12	10

Client Sample ID: HA-2

Lab Sample ID: 890-9674-4

Date Collected: 03/18/26 09:15

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/25/26 22:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/25/26 22:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/25/26 22:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/26 11:31	03/25/26 22:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/25/26 22:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 11:31	03/25/26 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				03/25/26 11:31	03/25/26 22:54	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/25/26 11:31	03/25/26 22:54	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			03/25/26 22:54	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			03/26/26 10:38	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		03/23/26 13:21	03/26/26 10:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/23/26 13:21	03/26/26 10:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:21	03/26/26 10:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	42	S1-	70 - 130				03/23/26 13:21	03/26/26 10:38	1
o-Terphenyl	39	S1-	70 - 130				03/23/26 13:21	03/26/26 10:38	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-2

Lab Sample ID: 890-9674-4

Date Collected: 03/18/26 09:15

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		50.4		mg/Kg			03/23/26 12:19	5

Client Sample ID: HA-2

Lab Sample ID: 890-9674-5

Date Collected: 03/18/26 09:20

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/25/26 23:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/25/26 11:31	03/25/26 23:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/25/26 11:31	03/25/26 23:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/25/26 11:31	03/25/26 23:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/25/26 11:31	03/25/26 23:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/25/26 11:31	03/25/26 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				03/25/26 11:31	03/25/26 23:15	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/25/26 11:31	03/25/26 23:15	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			03/25/26 23:15	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			03/26/26 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/23/26 13:21	03/26/26 10:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/23/26 13:21	03/26/26 10:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:21	03/26/26 10:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	48	S1-	70 - 130				03/23/26 13:21	03/26/26 10:58	1
o-Terphenyl	48	S1-	70 - 130				03/23/26 13:21	03/26/26 10:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.0		10.1		mg/Kg			03/23/26 12:25	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-3

Lab Sample ID: 890-9674-6

Date Collected: 03/18/26 09:25

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/25/26 23:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 23:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 23:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/25/26 23:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 23:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/25/26 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				03/25/26 11:31	03/25/26 23:35	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/25/26 11:31	03/25/26 23:35	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			03/25/26 23:35	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			03/26/26 11:17	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		03/23/26 13:21	03/26/26 11:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 11:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 11:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	49	S1-	70 - 130				03/23/26 13:21	03/26/26 11:17	1
o-Terphenyl	49	S1-	70 - 130				03/23/26 13:21	03/26/26 11:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8910		100		mg/Kg			03/23/26 12:45	10

Client Sample ID: HA-3

Lab Sample ID: 890-9674-7

Date Collected: 03/18/26 09:30

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/25/26 23:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/25/26 23:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/25/26 23:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/25/26 23:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/25/26 23:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/25/26 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				03/25/26 11:31	03/25/26 23:56	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-3

Lab Sample ID: 890-9674-7

Date Collected: 03/18/26 09:30

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	112		70 - 130	03/25/26 11:31	03/25/26 23:56	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			03/25/26 23:56	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			03/27/26 03:05	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		03/23/26 13:44	03/27/26 03:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		03/23/26 13:44	03/27/26 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/23/26 13:44	03/27/26 03:05	1
o-Terphenyl	106		70 - 130				03/23/26 13:44	03/27/26 03:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8770		101		mg/Kg			03/23/26 12:52	10

Client Sample ID: HA-3

Lab Sample ID: 890-9674-8

Date Collected: 03/18/26 09:35

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 00:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:31	03/26/26 00:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:31	03/26/26 00:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/25/26 11:31	03/26/26 00:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:31	03/26/26 00:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/25/26 11:31	03/26/26 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	03/25/26 11:31	03/26/26 00:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/25/26 11:31	03/26/26 00:16	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			03/26/26 00:16	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			03/27/26 04:07	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-3

Lab Sample ID: 890-9674-8

Date Collected: 03/18/26 09:35

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 04:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		03/23/26 13:44	03/27/26 04:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 04:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/23/26 13:44	03/27/26 04:07	1
o-Terphenyl	99		70 - 130				03/23/26 13:44	03/27/26 04:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7420		100		mg/Kg			03/23/26 13:12	10

Client Sample ID: HA-4

Lab Sample ID: 890-9674-9

Date Collected: 03/18/26 09:40

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 00:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 00:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 00:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/26 11:31	03/26/26 00:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 00:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 11:31	03/26/26 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				03/25/26 11:31	03/26/26 00:37	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/25/26 11:31	03/26/26 00:37	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			03/26/26 00:37	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			03/27/26 04:27	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		03/23/26 13:44	03/27/26 04:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		03/23/26 13:44	03/27/26 04:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:44	03/27/26 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130				03/23/26 13:44	03/27/26 04:27	1
o-Terphenyl	161	S1+	70 - 130				03/23/26 13:44	03/27/26 04:27	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-4

Lab Sample ID: 890-9674-9

Date Collected: 03/18/26 09:40

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8830		99.2		mg/Kg			03/23/26 13:18	10

Client Sample ID: HA-4

Lab Sample ID: 890-9674-10

Date Collected: 03/18/26 09:45

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 00:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 00:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 00:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/26 11:31	03/26/26 00:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 00:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/26 11:31	03/26/26 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				03/25/26 11:31	03/26/26 00:58	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/25/26 11:31	03/26/26 00:58	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			03/26/26 00:58	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			03/27/26 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	<49.9	U	49.9		mg/Kg		03/23/26 13:44	03/27/26 04:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		03/23/26 13:44	03/27/26 04:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:44	03/27/26 04:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/23/26 13:44	03/27/26 04:48	1
o-Terphenyl	107		70 - 130				03/23/26 13:44	03/27/26 04:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7530		99.4		mg/Kg			03/23/26 13:25	10

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-4

Lab Sample ID: 890-9674-11

Date Collected: 03/18/26 09:50

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 02:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 02:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 02:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/26/26 02:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 02:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/26/26 02:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	03/25/26 11:31	03/26/26 02:32	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/25/26 11:31	03/26/26 02:32	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			03/26/26 02:32	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			03/27/26 05:08	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	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 05:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		03/23/26 13:44	03/27/26 05:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/23/26 13:44	03/27/26 05:08	1
o-Terphenyl	104		70 - 130	03/23/26 13:44	03/27/26 05:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8340		202		mg/Kg			03/23/26 13:31	20

Client Sample ID: HA-5

Lab Sample ID: 890-9674-12

Date Collected: 03/18/26 09:55

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 02:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 02:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 02:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/26/26 02:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 02:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/26/26 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	03/25/26 11:31	03/26/26 02:53	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-5

Lab Sample ID: 890-9674-12

Date Collected: 03/18/26 09:55

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	112		70 - 130	03/25/26 11:31	03/26/26 02:53	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			03/26/26 02:53	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			03/27/26 05:28	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		03/23/26 13:44	03/27/26 05:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		03/23/26 13:44	03/27/26 05:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 05:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				03/23/26 13:44	03/27/26 05:28	1
o-Terphenyl	75		70 - 130				03/23/26 13:44	03/27/26 05:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6890		101		mg/Kg			03/23/26 13:38	10

Client Sample ID: HA-5

Lab Sample ID: 890-9674-13

Date Collected: 03/18/26 10:00

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 03:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 03:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 03:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/25/26 11:31	03/26/26 03:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 03:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/25/26 11:31	03/26/26 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	03/25/26 11:31	03/26/26 03:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/25/26 11:31	03/26/26 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			03/26/26 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	<50.1	U	50.1		mg/Kg			04/01/26 15:00	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-5

Lab Sample ID: 890-9674-13

Date Collected: 03/18/26 10:00

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/31/26 17:44	04/01/26 15:00	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/31/26 17:44	04/01/26 15:00	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/31/26 17:44	04/01/26 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/31/26 17:44	04/01/26 15:00	1
o-Terphenyl	102		70 - 130				03/31/26 17:44	04/01/26 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8390		100		mg/Kg			03/23/26 13:45	10

Client Sample ID: HA-5

Lab Sample ID: 890-9674-14

Date Collected: 03/18/26 10:05

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 03:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 03:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 03:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/26 11:31	03/26/26 03:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 03:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 11:31	03/26/26 03:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130				03/25/26 11:31	03/26/26 03:34	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/25/26 11:31	03/26/26 03:34	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			03/26/26 03:34	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			03/27/26 06:10	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		03/23/26 13:44	03/27/26 06:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		03/23/26 13:44	03/27/26 06:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 06:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/23/26 13:44	03/27/26 06:10	1
o-Terphenyl	124		70 - 130				03/23/26 13:44	03/27/26 06:10	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-5

Lab Sample ID: 890-9674-14

Date Collected: 03/18/26 10:05

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3200		50.4		mg/Kg			03/23/26 13:51	5

Client Sample ID: HA-6

Lab Sample ID: 890-9674-15

Date Collected: 03/18/26 10:10

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 03:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 03:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 03:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/26/26 03:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 03:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/26/26 03:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130				03/25/26 11:31	03/26/26 03:55	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/25/26 11:31	03/26/26 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			03/26/26 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	<49.9	U	49.9		mg/Kg			03/27/26 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/26 13:44	03/27/26 06:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		03/23/26 13:44	03/27/26 06:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:44	03/27/26 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				03/23/26 13:44	03/27/26 06:30	1
o-Terphenyl	113		70 - 130				03/23/26 13:44	03/27/26 06:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8510	F1	100		mg/Kg			03/23/26 13:26	10

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-6

Lab Sample ID: 890-9674-16

Date Collected: 03/18/26 10:15

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 04:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 04:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 04:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/26/26 04:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 04:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/26/26 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				03/25/26 11:31	03/26/26 04:15	1
1,4-Difluorobenzene (Surr)	95		70 - 130				03/25/26 11:31	03/26/26 04:15	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			03/26/26 04:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/01/26 15:15	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	<50.2	U	50.2		mg/Kg		03/31/26 17:44	04/01/26 15:15	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/31/26 17:44	04/01/26 15:15	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/31/26 17:44	04/01/26 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/31/26 17:44	04/01/26 15:15	1
o-Terphenyl	95		70 - 130				03/31/26 17:44	04/01/26 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7520		99.0		mg/Kg			03/23/26 13:41	10

Client Sample ID: HA-6

Lab Sample ID: 890-9674-17

Date Collected: 03/18/26 10:20

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 04:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 04:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 04:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/25/26 11:31	03/26/26 04:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 04:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/25/26 11:31	03/26/26 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				03/25/26 11:31	03/26/26 04:36	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-6

Lab Sample ID: 890-9674-17

Date Collected: 03/18/26 10:20

Matrix: Solid

Date Received: 03/19/26 11:26

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	03/25/26 11:31	03/26/26 04:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/26/26 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	<50.0	U	50.0		mg/Kg			03/27/26 07:32	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		03/23/26 13:44	03/27/26 07:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		03/23/26 13:44	03/27/26 07:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 07:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				03/23/26 13:44	03/27/26 07:32	1
o-Terphenyl	155	S1+	70 - 130				03/23/26 13:44	03/27/26 07:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3060		50.4		mg/Kg			03/23/26 13:47	5

Client Sample ID: HA-7

Lab Sample ID: 890-9674-18

Date Collected: 03/18/26 10:25

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 04:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 04:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 04:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/26 11:31	03/26/26 04:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:31	03/26/26 04:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 11:31	03/26/26 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	03/25/26 11:31	03/26/26 04:57	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/25/26 11:31	03/26/26 04:57	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			03/26/26 04:57	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			03/27/26 07:52	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-7

Lab Sample ID: 890-9674-18

Date Collected: 03/18/26 10:25

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/23/26 13:44	03/27/26 07:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		03/23/26 13:44	03/27/26 07:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:44	03/27/26 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				03/23/26 13:44	03/27/26 07:52	1
o-Terphenyl	124		70 - 130				03/23/26 13:44	03/27/26 07:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7060		101		mg/Kg			03/23/26 13:52	10

Client Sample ID: HA-7

Lab Sample ID: 890-9674-19

Date Collected: 03/18/26 10:30

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:31	03/26/26 05:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 05:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 05:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/26/26 05:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/26/26 05:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:31	03/26/26 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				03/25/26 11:31	03/26/26 05:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/25/26 11:31	03/26/26 05:17	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			03/26/26 05:17	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			03/27/26 08:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/23/26 13:44	03/27/26 08:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		03/23/26 13:44	03/27/26 08:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:44	03/27/26 08:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				03/23/26 13:44	03/27/26 08:13	1
o-Terphenyl	141	S1+	70 - 130				03/23/26 13:44	03/27/26 08:13	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-7

Lab Sample ID: 890-9674-19

Date Collected: 03/18/26 10:30

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7090		100		mg/Kg			03/23/26 13:57	10

Client Sample ID: HA-7

Lab Sample ID: 890-9674-20

Date Collected: 03/18/26 10:35

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1.5

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		03/25/26 11:31	03/26/26 05:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 05:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 05:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/26/26 05:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:31	03/26/26 05:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:31	03/26/26 05:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				03/25/26 11:31	03/26/26 05:38	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/25/26 11:31	03/26/26 05:38	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			03/26/26 05:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			03/27/26 08:33	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	<50.3	U	50.3		mg/Kg		03/23/26 13:44	03/27/26 08:33	1
Diesel Range Organics (Over C10-C28)	<50.3	U *	50.3		mg/Kg		03/23/26 13:44	03/27/26 08:33	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/23/26 13:44	03/27/26 08:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/23/26 13:44	03/27/26 08:33	1
o-Terphenyl	126		70 - 130				03/23/26 13:44	03/27/26 08:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4260		50.4		mg/Kg			03/23/26 15:05	5

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9674-1	HA-1	145 S1+	108
890-9674-1 MS	HA-1	123	96
890-9674-1 MSD	HA-1	127	97
890-9674-2	HA-1	134 S1+	106
890-9674-3	HA-2	147 S1+	112
890-9674-4	HA-2	136 S1+	102
890-9674-5	HA-2	136 S1+	102
890-9674-6	HA-3	138 S1+	105
890-9674-7	HA-3	153 S1+	112
890-9674-8	HA-3	144 S1+	100
890-9674-9	HA-4	145 S1+	108
890-9674-10	HA-4	139 S1+	105
890-9674-11	HA-4	139 S1+	98
890-9674-12	HA-5	140 S1+	112
890-9674-13	HA-5	131 S1+	90
890-9674-14	HA-5	141 S1+	108
890-9674-15	HA-6	141 S1+	106
890-9674-16	HA-6	135 S1+	95
890-9674-17	HA-6	143 S1+	106
890-9674-18	HA-7	139 S1+	102
890-9674-19	HA-7	142 S1+	100
890-9674-20	HA-7	138 S1+	101
LCS 880-135879/1-A	Lab Control Sample	123	98
LCSD 880-135879/2-A	Lab Control Sample Dup	135 S1+	96
MB 880-135868/5-A	Method Blank	127	96
MB 880-135879/5-A	Method Blank	131 S1+	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9674-1	HA-1	44 S1-	44 S1-
890-9674-2	HA-1	36 S1-	31 S1-
890-9674-3	HA-2	46 S1-	47 S1-
890-9674-4	HA-2	42 S1-	39 S1-
890-9674-5	HA-2	48 S1-	48 S1-
890-9674-6	HA-3	49 S1-	49 S1-
890-9674-7	HA-3	99	106
890-9674-7 MS	HA-3	93	86
890-9674-7 MSD	HA-3	98	87
890-9674-8	HA-3	86	99
890-9674-9	HA-4	164 S1+	161 S1+
890-9674-10	HA-4	107	107
890-9674-11	HA-4	112	104

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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)
890-9674-12	HA-5	76	75
890-9674-13	HA-5	107	102
890-9674-14	HA-5	116	124
890-9674-15	HA-6	104	113
890-9674-16	HA-6	98	95
890-9674-17	HA-6	150 S1+	155 S1+
890-9674-18	HA-7	127	124
890-9674-19	HA-7	129	141 S1+
890-9674-20	HA-7	112	126
LCS 880-135681/2-A	Lab Control Sample	112	104
LCS 880-135687/2-A	Lab Control Sample	128	126
LCS 880-136481/2-A	Lab Control Sample	93	92
LCSD 880-135681/3-A	Lab Control Sample Dup	113	103
LCSD 880-135687/3-A	Lab Control Sample Dup	153 S1+	140 S1+
LCSD 880-136481/3-A	Lab Control Sample Dup	101	99
MB 880-135681/1-A	Method Blank	94	98
MB 880-136481/1-A	Method Blank	95	96
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-135868/5-A

Matrix: Solid

Analysis Batch: 135855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 05:00	03/25/26 10:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 05:00	03/25/26 10:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 05:00	03/25/26 10:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/26 05:00	03/25/26 10:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 05:00	03/25/26 10:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/26 05:00	03/25/26 10:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	03/25/26 05:00	03/25/26 10:28	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/25/26 05:00	03/25/26 10:28	1

Lab Sample ID: MB 880-135879/5-A

Matrix: Solid

Analysis Batch: 135855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 21:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 21:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 21:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/26 11:31	03/25/26 21:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:31	03/25/26 21:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/26 11:31	03/25/26 21:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	03/25/26 11:31	03/25/26 21:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/25/26 11:31	03/25/26 21:31	1

Lab Sample ID: LCS 880-135879/1-A

Matrix: Solid

Analysis Batch: 135855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1066		mg/Kg		107	70 - 130
Toluene	0.100	0.09935		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09168		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1916		mg/Kg		96	70 - 130
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-135879/2-A

Matrix: Solid

Analysis Batch: 135855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135879

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1005		mg/Kg		100	70 - 130	6	35

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-135879/2-A

Matrix: Solid

Analysis Batch: 135855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135879

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09808		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.08253		mg/Kg		83	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1806		mg/Kg		90	70 - 130	6	35
o-Xylene	0.100	0.09704		mg/Kg		97	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-9674-1 MS

Matrix: Solid

Analysis Batch: 135855

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 135879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08433		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.08947		mg/Kg		89	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1104		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2231		mg/Kg		112	70 - 130
o-Xylene	<0.00200	U	0.100	0.1148		mg/Kg		115	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-9674-1 MSD

Matrix: Solid

Analysis Batch: 135855

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 135879

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	0.09474		mg/Kg		95	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.09679		mg/Kg		97	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.08497		mg/Kg		85	70 - 130	26	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1793		mg/Kg		90	70 - 130	22	35
o-Xylene	<0.00200	U	0.100	0.09276		mg/Kg		93	70 - 130	21	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-135681/1-A

Matrix: Solid

Analysis Batch: 135940

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135681

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		03/23/26 13:21	03/26/26 03:09	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-135681/1-A

Matrix: Solid

Analysis Batch: 135940

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135681

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		03/23/26 13:21	03/26/26 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 03:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/23/26 13:21	03/26/26 03:09	1
o-Terphenyl	98		70 - 130				03/23/26 13:21	03/26/26 03:09	1

Lab Sample ID: LCS 880-135681/2-A

Matrix: Solid

Analysis Batch: 135940

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135681

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	994.4		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1113		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	112		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-135681/3-A

Matrix: Solid

Analysis Batch: 135940

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135681

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1013		mg/Kg		101	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1106		mg/Kg		111	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: LCS 880-135687/2-A

Matrix: Solid

Analysis Batch: 136047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1144		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1233		mg/Kg		123	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	128		70 - 130				
o-Terphenyl	126		70 - 130				

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-135687/3-A

Matrix: Solid

Analysis Batch: 136047

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135687

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1284		mg/Kg		128	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1444	*+	mg/Kg		144	70 - 130	16	20
		LCSD %Recovery	LCSD Qualifier						
Surrogate									
1-Chlorooctane		153	S1+						
o-Terphenyl		140	S1+						

Lab Sample ID: 890-9674-7 MS

Matrix: Solid

Analysis Batch: 136047

Client Sample ID: HA-3

Prep Type: Total/NA

Prep Batch: 135687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	810.1		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *	998	816.0		mg/Kg		77	70 - 130		
		MS %Recovery	MS Qualifier								
Surrogate											
1-Chlorooctane		93									
o-Terphenyl		86									

Lab Sample ID: 890-9674-7 MSD

Matrix: Solid

Analysis Batch: 136047

Client Sample ID: HA-3

Prep Type: Total/NA

Prep Batch: 135687

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	998	794.7		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U *	998	839.9		mg/Kg		79	70 - 130	3	20
		MSD %Recovery	MSD Qualifier								
Surrogate											
1-Chlorooctane		98									
o-Terphenyl		87									

Lab Sample ID: MB 880-136481/1-A

Matrix: Solid

Analysis Batch: 136523

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136481

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		03/31/26 17:44	04/01/26 09:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/31/26 17:44	04/01/26 09:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/26 17:44	04/01/26 09:31	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-136481/1-A

Matrix: Solid

Analysis Batch: 136523

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136481

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane	95		70 - 130	03/31/26 17:44	04/01/26 09:31	1			
o-Terphenyl	96		70 - 130	03/31/26 17:44	04/01/26 09:31	1			

Lab Sample ID: LCS 880-136481/2-A

Matrix: Solid

Analysis Batch: 136523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136481

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1101		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1020		mg/Kg		102	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: LCSD 880-136481/3-A

Matrix: Solid

Analysis Batch: 136523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 136481

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1235		mg/Kg		123	70 - 130	11	20	
Diesel Range Organics (Over C10-C28)			1000	1119		mg/Kg		112	70 - 130	9	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	101		70 - 130									
o-Terphenyl	99		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-135559/1-A

Matrix: Solid

Analysis Batch: 135590

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac	
Chloride	<10.0	U	10.0		mg/Kg			03/23/26 10:32	1		

Lab Sample ID: LCS 880-135559/2-A

Matrix: Solid

Analysis Batch: 135590

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	233.0		mg/Kg		93	90 - 110		

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-135559/3-A

Matrix: Solid

Analysis Batch: 135590

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	234.2		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-9674-5 MS

Matrix: Solid

Analysis Batch: 135590

Client Sample ID: HA-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	96.0		252	357.3		mg/Kg		104	90 - 110		

Lab Sample ID: 890-9674-5 MSD

Matrix: Solid

Analysis Batch: 135590

Client Sample ID: HA-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	96.0		252	357.2		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-135561/1-A

Matrix: Solid

Analysis Batch: 135605

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			03/23/26 13:10	1

Lab Sample ID: LCS 880-135561/2-A

Matrix: Solid

Analysis Batch: 135605

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.1		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-135561/3-A

Matrix: Solid

Analysis Batch: 135605

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	240.6		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-9674-15 MS

Matrix: Solid

Analysis Batch: 135605

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	8510	F1	2510	11500	F1	mg/Kg		120	90 - 110		

Lab Sample ID: 890-9674-15 MSD

Matrix: Solid

Analysis Batch: 135605

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	8510	F1	2510	11570	F1	mg/Kg		122	90 - 110	1	20

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 135855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-1	HA-1	Total/NA	Solid	8021B	135879
890-9674-2	HA-1	Total/NA	Solid	8021B	135879
890-9674-3	HA-2	Total/NA	Solid	8021B	135879
890-9674-4	HA-2	Total/NA	Solid	8021B	135879
890-9674-5	HA-2	Total/NA	Solid	8021B	135879
890-9674-6	HA-3	Total/NA	Solid	8021B	135879
890-9674-7	HA-3	Total/NA	Solid	8021B	135879
890-9674-8	HA-3	Total/NA	Solid	8021B	135879
890-9674-9	HA-4	Total/NA	Solid	8021B	135879
890-9674-10	HA-4	Total/NA	Solid	8021B	135879
890-9674-11	HA-4	Total/NA	Solid	8021B	135879
890-9674-12	HA-5	Total/NA	Solid	8021B	135879
890-9674-13	HA-5	Total/NA	Solid	8021B	135879
890-9674-14	HA-5	Total/NA	Solid	8021B	135879
890-9674-15	HA-6	Total/NA	Solid	8021B	135879
890-9674-16	HA-6	Total/NA	Solid	8021B	135879
890-9674-17	HA-6	Total/NA	Solid	8021B	135879
890-9674-18	HA-7	Total/NA	Solid	8021B	135879
890-9674-19	HA-7	Total/NA	Solid	8021B	135879
890-9674-20	HA-7	Total/NA	Solid	8021B	135879
MB 880-135868/5-A	Method Blank	Total/NA	Solid	8021B	135868
MB 880-135879/5-A	Method Blank	Total/NA	Solid	8021B	135879
LCS 880-135879/1-A	Lab Control Sample	Total/NA	Solid	8021B	135879
LCSD 880-135879/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135879
890-9674-1 MS	HA-1	Total/NA	Solid	8021B	135879
890-9674-1 MSD	HA-1	Total/NA	Solid	8021B	135879

Prep Batch: 135868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-135868/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 135879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-1	HA-1	Total/NA	Solid	5035	
890-9674-2	HA-1	Total/NA	Solid	5035	
890-9674-3	HA-2	Total/NA	Solid	5035	
890-9674-4	HA-2	Total/NA	Solid	5035	
890-9674-5	HA-2	Total/NA	Solid	5035	
890-9674-6	HA-3	Total/NA	Solid	5035	
890-9674-7	HA-3	Total/NA	Solid	5035	
890-9674-8	HA-3	Total/NA	Solid	5035	
890-9674-9	HA-4	Total/NA	Solid	5035	
890-9674-10	HA-4	Total/NA	Solid	5035	
890-9674-11	HA-4	Total/NA	Solid	5035	
890-9674-12	HA-5	Total/NA	Solid	5035	
890-9674-13	HA-5	Total/NA	Solid	5035	
890-9674-14	HA-5	Total/NA	Solid	5035	
890-9674-15	HA-6	Total/NA	Solid	5035	
890-9674-16	HA-6	Total/NA	Solid	5035	
890-9674-17	HA-6	Total/NA	Solid	5035	
890-9674-18	HA-7	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

GC VOA (Continued)

Prep Batch: 135879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-19	HA-7	Total/NA	Solid	5035	
890-9674-20	HA-7	Total/NA	Solid	5035	
MB 880-135879/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135879/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135879/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9674-1 MS	HA-1	Total/NA	Solid	5035	
890-9674-1 MSD	HA-1	Total/NA	Solid	5035	

Analysis Batch: 136007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-1	HA-1	Total/NA	Solid	Total BTEX	
890-9674-2	HA-1	Total/NA	Solid	Total BTEX	
890-9674-3	HA-2	Total/NA	Solid	Total BTEX	
890-9674-4	HA-2	Total/NA	Solid	Total BTEX	
890-9674-5	HA-2	Total/NA	Solid	Total BTEX	
890-9674-6	HA-3	Total/NA	Solid	Total BTEX	
890-9674-7	HA-3	Total/NA	Solid	Total BTEX	
890-9674-8	HA-3	Total/NA	Solid	Total BTEX	
890-9674-9	HA-4	Total/NA	Solid	Total BTEX	
890-9674-10	HA-4	Total/NA	Solid	Total BTEX	
890-9674-11	HA-4	Total/NA	Solid	Total BTEX	
890-9674-12	HA-5	Total/NA	Solid	Total BTEX	
890-9674-13	HA-5	Total/NA	Solid	Total BTEX	
890-9674-14	HA-5	Total/NA	Solid	Total BTEX	
890-9674-15	HA-6	Total/NA	Solid	Total BTEX	
890-9674-16	HA-6	Total/NA	Solid	Total BTEX	
890-9674-17	HA-6	Total/NA	Solid	Total BTEX	
890-9674-18	HA-7	Total/NA	Solid	Total BTEX	
890-9674-19	HA-7	Total/NA	Solid	Total BTEX	
890-9674-20	HA-7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 135681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-1	HA-1	Total/NA	Solid	8015NM Prep	
890-9674-2	HA-1	Total/NA	Solid	8015NM Prep	
890-9674-3	HA-2	Total/NA	Solid	8015NM Prep	
890-9674-4	HA-2	Total/NA	Solid	8015NM Prep	
890-9674-5	HA-2	Total/NA	Solid	8015NM Prep	
890-9674-6	HA-3	Total/NA	Solid	8015NM Prep	
MB 880-135681/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135681/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135681/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 135687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-7	HA-3	Total/NA	Solid	8015NM Prep	
890-9674-8	HA-3	Total/NA	Solid	8015NM Prep	
890-9674-9	HA-4	Total/NA	Solid	8015NM Prep	
890-9674-10	HA-4	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Prep Batch: 135687 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-11	HA-4	Total/NA	Solid	8015NM Prep	
890-9674-12	HA-5	Total/NA	Solid	8015NM Prep	
890-9674-14	HA-5	Total/NA	Solid	8015NM Prep	
890-9674-15	HA-6	Total/NA	Solid	8015NM Prep	
890-9674-17	HA-6	Total/NA	Solid	8015NM Prep	
890-9674-18	HA-7	Total/NA	Solid	8015NM Prep	
890-9674-19	HA-7	Total/NA	Solid	8015NM Prep	
890-9674-20	HA-7	Total/NA	Solid	8015NM Prep	
LCS 880-135687/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9674-7 MS	HA-3	Total/NA	Solid	8015NM Prep	
890-9674-7 MSD	HA-3	Total/NA	Solid	8015NM Prep	

Analysis Batch: 135940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-1	HA-1	Total/NA	Solid	8015B NM	135681
890-9674-2	HA-1	Total/NA	Solid	8015B NM	135681
890-9674-3	HA-2	Total/NA	Solid	8015B NM	135681
890-9674-4	HA-2	Total/NA	Solid	8015B NM	135681
890-9674-5	HA-2	Total/NA	Solid	8015B NM	135681
890-9674-6	HA-3	Total/NA	Solid	8015B NM	135681
MB 880-135681/1-A	Method Blank	Total/NA	Solid	8015B NM	135681
LCS 880-135681/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135681
LCSD 880-135681/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135681

Analysis Batch: 136047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-7	HA-3	Total/NA	Solid	8015B NM	135687
890-9674-8	HA-3	Total/NA	Solid	8015B NM	135687
890-9674-9	HA-4	Total/NA	Solid	8015B NM	135687
890-9674-10	HA-4	Total/NA	Solid	8015B NM	135687
890-9674-11	HA-4	Total/NA	Solid	8015B NM	135687
890-9674-12	HA-5	Total/NA	Solid	8015B NM	135687
890-9674-14	HA-5	Total/NA	Solid	8015B NM	135687
890-9674-15	HA-6	Total/NA	Solid	8015B NM	135687
890-9674-17	HA-6	Total/NA	Solid	8015B NM	135687
890-9674-18	HA-7	Total/NA	Solid	8015B NM	135687
890-9674-19	HA-7	Total/NA	Solid	8015B NM	135687
890-9674-20	HA-7	Total/NA	Solid	8015B NM	135687
LCS 880-135687/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135687
LCSD 880-135687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135687
890-9674-7 MS	HA-3	Total/NA	Solid	8015B NM	135687
890-9674-7 MSD	HA-3	Total/NA	Solid	8015B NM	135687

Analysis Batch: 136120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-1	HA-1	Total/NA	Solid	8015 NM	
890-9674-2	HA-1	Total/NA	Solid	8015 NM	
890-9674-3	HA-2	Total/NA	Solid	8015 NM	
890-9674-4	HA-2	Total/NA	Solid	8015 NM	
890-9674-5	HA-2	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 136120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-6	HA-3	Total/NA	Solid	8015 NM	
890-9674-7	HA-3	Total/NA	Solid	8015 NM	
890-9674-8	HA-3	Total/NA	Solid	8015 NM	
890-9674-9	HA-4	Total/NA	Solid	8015 NM	
890-9674-10	HA-4	Total/NA	Solid	8015 NM	
890-9674-11	HA-4	Total/NA	Solid	8015 NM	
890-9674-12	HA-5	Total/NA	Solid	8015 NM	
890-9674-13	HA-5	Total/NA	Solid	8015 NM	
890-9674-14	HA-5	Total/NA	Solid	8015 NM	
890-9674-15	HA-6	Total/NA	Solid	8015 NM	
890-9674-16	HA-6	Total/NA	Solid	8015 NM	
890-9674-17	HA-6	Total/NA	Solid	8015 NM	
890-9674-18	HA-7	Total/NA	Solid	8015 NM	
890-9674-19	HA-7	Total/NA	Solid	8015 NM	
890-9674-20	HA-7	Total/NA	Solid	8015 NM	

Prep Batch: 136481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-13	HA-5	Total/NA	Solid	8015NM Prep	
890-9674-16	HA-6	Total/NA	Solid	8015NM Prep	
MB 880-136481/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-136481/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-136481/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 136523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-13	HA-5	Total/NA	Solid	8015B NM	136481
890-9674-16	HA-6	Total/NA	Solid	8015B NM	136481
MB 880-136481/1-A	Method Blank	Total/NA	Solid	8015B NM	136481
LCS 880-136481/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	136481
LCSD 880-136481/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	136481

HPLC/IC

Leach Batch: 135559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-1	HA-1	Soluble	Solid	DI Leach	
890-9674-2	HA-1	Soluble	Solid	DI Leach	
890-9674-3	HA-2	Soluble	Solid	DI Leach	
890-9674-4	HA-2	Soluble	Solid	DI Leach	
890-9674-5	HA-2	Soluble	Solid	DI Leach	
890-9674-6	HA-3	Soluble	Solid	DI Leach	
890-9674-7	HA-3	Soluble	Solid	DI Leach	
890-9674-8	HA-3	Soluble	Solid	DI Leach	
890-9674-9	HA-4	Soluble	Solid	DI Leach	
890-9674-10	HA-4	Soluble	Solid	DI Leach	
890-9674-11	HA-4	Soluble	Solid	DI Leach	
890-9674-12	HA-5	Soluble	Solid	DI Leach	
890-9674-13	HA-5	Soluble	Solid	DI Leach	
890-9674-14	HA-5	Soluble	Solid	DI Leach	
MB 880-135559/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 135559 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-135559/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135559/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9674-5 MS	HA-2	Soluble	Solid	DI Leach	
890-9674-5 MSD	HA-2	Soluble	Solid	DI Leach	

Leach Batch: 135561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-15	HA-6	Soluble	Solid	DI Leach	
890-9674-16	HA-6	Soluble	Solid	DI Leach	
890-9674-17	HA-6	Soluble	Solid	DI Leach	
890-9674-18	HA-7	Soluble	Solid	DI Leach	
890-9674-19	HA-7	Soluble	Solid	DI Leach	
890-9674-20	HA-7	Soluble	Solid	DI Leach	
MB 880-135561/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135561/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135561/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9674-15 MS	HA-6	Soluble	Solid	DI Leach	
890-9674-15 MSD	HA-6	Soluble	Solid	DI Leach	

Analysis Batch: 135590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-1	HA-1	Soluble	Solid	300.0	135559
890-9674-2	HA-1	Soluble	Solid	300.0	135559
890-9674-3	HA-2	Soluble	Solid	300.0	135559
890-9674-4	HA-2	Soluble	Solid	300.0	135559
890-9674-5	HA-2	Soluble	Solid	300.0	135559
890-9674-6	HA-3	Soluble	Solid	300.0	135559
890-9674-7	HA-3	Soluble	Solid	300.0	135559
890-9674-8	HA-3	Soluble	Solid	300.0	135559
890-9674-9	HA-4	Soluble	Solid	300.0	135559
890-9674-10	HA-4	Soluble	Solid	300.0	135559
890-9674-11	HA-4	Soluble	Solid	300.0	135559
890-9674-12	HA-5	Soluble	Solid	300.0	135559
890-9674-13	HA-5	Soluble	Solid	300.0	135559
890-9674-14	HA-5	Soluble	Solid	300.0	135559
MB 880-135559/1-A	Method Blank	Soluble	Solid	300.0	135559
LCS 880-135559/2-A	Lab Control Sample	Soluble	Solid	300.0	135559
LCSD 880-135559/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135559
890-9674-5 MS	HA-2	Soluble	Solid	300.0	135559
890-9674-5 MSD	HA-2	Soluble	Solid	300.0	135559

Analysis Batch: 135605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9674-15	HA-6	Soluble	Solid	300.0	135561
890-9674-16	HA-6	Soluble	Solid	300.0	135561
890-9674-17	HA-6	Soluble	Solid	300.0	135561
890-9674-18	HA-7	Soluble	Solid	300.0	135561
890-9674-19	HA-7	Soluble	Solid	300.0	135561
890-9674-20	HA-7	Soluble	Solid	300.0	135561
MB 880-135561/1-A	Method Blank	Soluble	Solid	300.0	135561
LCS 880-135561/2-A	Lab Control Sample	Soluble	Solid	300.0	135561

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 135605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-135561/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135561
890-9674-15 MS	HA-6	Soluble	Solid	300.0	135561
890-9674-15 MSD	HA-6	Soluble	Solid	300.0	135561

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

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-1
Date Collected: 03/18/26 09:00
Date Received: 03/19/26 11:26

Lab Sample ID: 890-9674-1
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	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/25/26 21:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/25/26 21:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/26/26 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 09:41	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 11:59	SMC	EET MID

Client Sample ID: HA-1
Date Collected: 03/18/26 09:05
Date Received: 03/19/26 11:26

Lab Sample ID: 890-9674-2
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	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/25/26 22:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/25/26 22:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/26/26 10:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 10:00	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135590	03/23/26 12:05	SMC	EET MID

Client Sample ID: HA-2
Date Collected: 03/18/26 09:10
Date Received: 03/19/26 11:26

Lab Sample ID: 890-9674-3
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	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/25/26 22:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/25/26 22:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/26/26 10:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 10:19	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 12:12	SMC	EET MID

Client Sample ID: HA-2
Date Collected: 03/18/26 09:15
Date Received: 03/19/26 11:26

Lab Sample ID: 890-9674-4
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	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/25/26 22:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/25/26 22:54	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-2

Lab Sample ID: 890-9674-4

Date Collected: 03/18/26 09:15

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			136120	03/26/26 10:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 10:38	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135590	03/23/26 12:19	SMC	EET MID

Client Sample ID: HA-2

Lab Sample ID: 890-9674-5

Date Collected: 03/18/26 09:20

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/25/26 23:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/25/26 23:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/26/26 10:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 10:58	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135590	03/23/26 12:25	SMC	EET MID

Client Sample ID: HA-3

Lab Sample ID: 890-9674-6

Date Collected: 03/18/26 09:25

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/25/26 23:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/25/26 23:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/26/26 11:17	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 11:17	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 12:45	SMC	EET MID

Client Sample ID: HA-3

Lab Sample ID: 890-9674-7

Date Collected: 03/18/26 09:30

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/25/26 23:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/25/26 23:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 03:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 03:05	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-3

Date Collected: 03/18/26 09:30

Date Received: 03/19/26 11:26

Lab Sample ID: 890-9674-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 12:52	SMC	EET MID

Client Sample ID: HA-3

Date Collected: 03/18/26 09:35

Date Received: 03/19/26 11:26

Lab Sample ID: 890-9674-8

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			4.95 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 00:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 04:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 04:07	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 13:12	SMC	EET MID

Client Sample ID: HA-4

Date Collected: 03/18/26 09:40

Date Received: 03/19/26 11:26

Lab Sample ID: 890-9674-9

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			5.03 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 00:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 00:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 04:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 04:27	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 13:18	SMC	EET MID

Client Sample ID: HA-4

Date Collected: 03/18/26 09:45

Date Received: 03/19/26 11:26

Lab Sample ID: 890-9674-10

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	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 00:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 00:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 04:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 04:48	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 13:25	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-4

Lab Sample ID: 890-9674-11

Date Collected: 03/18/26 09:50

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 02:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 05:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 05:08	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135590	03/23/26 13:31	SMC	EET MID

Client Sample ID: HA-5

Lab Sample ID: 890-9674-12

Date Collected: 03/18/26 09:55

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 02:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 05:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 05:28	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 13:38	SMC	EET MID

Client Sample ID: HA-5

Lab Sample ID: 890-9674-13

Date Collected: 03/18/26 10:00

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 03:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 03:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	04/01/26 15:00	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	136481	03/31/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136523	04/01/26 15:00	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135590	03/23/26 13:45	SMC	EET MID

Client Sample ID: HA-5

Lab Sample ID: 890-9674-14

Date Collected: 03/18/26 10:05

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 03:34	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-5

Lab Sample ID: 890-9674-14

Date Collected: 03/18/26 10:05

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			136120	03/27/26 06:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 06:10	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135559	03/20/26 15:25	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135590	03/23/26 13:51	SMC	EET MID

Client Sample ID: HA-6

Lab Sample ID: 890-9674-15

Date Collected: 03/18/26 10:10

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 03:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 03:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 06:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 06:30	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135605	03/23/26 13:26	SMC	EET MID

Client Sample ID: HA-6

Lab Sample ID: 890-9674-16

Date Collected: 03/18/26 10:15

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 04:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	04/01/26 15:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	136481	03/31/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136523	04/01/26 15:15	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135605	03/23/26 13:41	SMC	EET MID

Client Sample ID: HA-6

Lab Sample ID: 890-9674-17

Date Collected: 03/18/26 10:20

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 04:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 04:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 07:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 07:32	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Client Sample ID: HA-6**Lab Sample ID: 890-9674-17****Date Collected: 03/18/26 10:20****Matrix: Solid****Date Received: 03/19/26 11:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135605	03/23/26 13:47	SMC	EET MID

Client Sample ID: HA-7**Lab Sample ID: 890-9674-18****Date Collected: 03/18/26 10:25****Matrix: Solid****Date Received: 03/19/26 11:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 04:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 04:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 07:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 07:52	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135605	03/23/26 13:52	SMC	EET MID

Client Sample ID: HA-7**Lab Sample ID: 890-9674-19****Date Collected: 03/18/26 10:30****Matrix: Solid****Date Received: 03/19/26 11:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 05:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 05:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 08:13	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 08:13	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	135605	03/23/26 13:57	SMC	EET MID

Client Sample ID: HA-7**Lab Sample ID: 890-9674-20****Date Collected: 03/18/26 10:35****Matrix: Solid****Date Received: 03/19/26 11:26**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135879	03/25/26 11:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135855	03/26/26 05:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136007	03/26/26 05:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			136120	03/27/26 08:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 08:33	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135605	03/23/26 15:05	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

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: Right Meow 31 CTB 7

Job ID: 890-9674-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9674-1	HA-1	Solid	03/18/26 09:00	03/19/26 11:26	0.5
890-9674-2	HA-1	Solid	03/18/26 09:05	03/19/26 11:26	1
890-9674-3	HA-2	Solid	03/18/26 09:10	03/19/26 11:26	0.5
890-9674-4	HA-2	Solid	03/18/26 09:15	03/19/26 11:26	1
890-9674-5	HA-2	Solid	03/18/26 09:20	03/19/26 11:26	2
890-9674-6	HA-3	Solid	03/18/26 09:25	03/19/26 11:26	0.5
890-9674-7	HA-3	Solid	03/18/26 09:30	03/19/26 11:26	1
890-9674-8	HA-3	Solid	03/18/26 09:35	03/19/26 11:26	2
890-9674-9	HA-4	Solid	03/18/26 09:40	03/19/26 11:26	0.5
890-9674-10	HA-4	Solid	03/18/26 09:45	03/19/26 11:26	1
890-9674-11	HA-4	Solid	03/18/26 09:50	03/19/26 11:26	2
890-9674-12	HA-5	Solid	03/18/26 09:55	03/19/26 11:26	0.5
890-9674-13	HA-5	Solid	03/18/26 10:00	03/19/26 11:26	1
890-9674-14	HA-5	Solid	03/18/26 10:05	03/19/26 11:26	2
890-9674-15	HA-6	Solid	03/18/26 10:10	03/19/26 11:26	0.5
890-9674-16	HA-6	Solid	03/18/26 10:15	03/19/26 11:26	1
890-9674-17	HA-6	Solid	03/18/26 10:20	03/19/26 11:26	2
890-9674-18	HA-7	Solid	03/18/26 10:25	03/19/26 11:26	0.5
890-9674-19	HA-7	Solid	03/18/26 10:30	03/19/26 11:26	1
890-9674-20	HA-7	Solid	03/18/26 10:35	03/19/26 11:26	1.5

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199



Environment Testing
Xenco



890-9674 Chain of Custody

W

www.eurofins.com

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:	gmorano@earthsys.net

Project Name:		Right Meow 31 CTB 7
Project Number:	9259	
Project Location:	Lea County, NM	
Sampler's Name:	Evan Braswell, Michael Benini	
CC/ WO #:	21688331	

Turn Around		Pres. Code
☒ Routine	☐ Rush	
Due Date:		
TAT starts the day received by the lab, if received by 4:30pm		

Temp Blank:	Yes	No	Wet Ice:	Yes	No
Samples Received Intact:	Yes	No	Thermometer ID:		
Cooler Custody Seals:	Yes	No	Correction Factor:		
Sample Custody Seals:	Yes	No	Temperature Reading:		
Total Containers:			Corrected Temperature:		

SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No	
Samples Received Intact:		Yes		No		Thermometer ID:				Yes		No	
Cooler Custody Seals:		Yes		No		Correction Factor:				Yes		No	
Sample Custody Seals:		Yes		No		Temperature Reading:				Yes		No	
Total Containers:						Corrected Temperature:				Yes		No	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/ Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI	Hold	24 Hr Rush	Preservative Codes
HA - 1	S	3/18/2026	9:00	0.5	Grab/	1	X	X	X								None: NO DI Water: H ₂ O
HA - 1	S	3/18/2026	9:05	1R	Grab/	1	X	X	X								Cool: Cool MeOH: Me
HA - 2	S	3/18/2026	9:10	0.5	Grab/	1	X	X	X								HCL: HC HNO ₃ : HN
HA - 2	S	3/18/2026	9:15	1	Grab/	1	X	X	X								H ₂ SO ₄ : H ₂ NaOH: Na
HA - 2	S	3/18/2026	9:20	2R	Grab/	1	X	X	X								H ₃ PO ₄ : HP
HA - 3	S	3/18/2026	9:25	0.5	Grab/	1	X	X	X								NaHSO ₄ : NABIS
HA - 3	S	3/18/2026	9:30	1	Grab/	1	X	X	X								Na ₂ S ₂ O ₃ : NaSO ₃
HA - 3	S	3/18/2026	9:35	2R	Grab/	1	X	X	X								Zn Acetate+NaOH: Zn
HA - 4	S	3/18/2026	9:40	0.5	Grab/	1	X	X	X								NaOH+Ascorbic Acid: SAPC
HA - 4	S	3/18/2026	9:45	1	Grab/	1	X	X	X								

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/ Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI	Hold	24 Hr Rush	Preservative Codes
HA - 1	S	3/18/2026	9:00	0.5	Grab/	1	X	X	X								None: NO DI Water: H ₂ O
HA - 1	S	3/18/2026	9:05	1R	Grab/	1	X	X	X								Cool: Cool MeOH: Me
HA - 2	S	3/18/2026	9:10	0.5	Grab/	1	X	X	X								HCL: HC HNO ₃ : HN
HA - 2	S	3/18/2026	9:15	1	Grab/	1	X	X	X								H ₂ SO ₄ : H ₂ NaOH: Na
HA - 2	S	3/18/2026	9:20	2R	Grab/	1	X	X	X								H ₃ PO ₄ : HP
HA - 3	S	3/18/2026	9:25	0.5	Grab/	1	X	X	X								NaHSO ₄ : NABIS
HA - 3	S	3/18/2026	9:30	1	Grab/	1	X	X	X								Na ₂ S ₂ O ₃ : NaSO ₃
HA - 3	S	3/18/2026	9:35	2R	Grab/	1	X	X	X								Zn Acetate+NaOH: Zn
HA - 4	S	3/18/2026	9:40	0.5	Grab/	1	X	X	X								NaOH+Ascorbic Acid: SAPC
HA - 4	S	3/18/2026	9:45	1	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 Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471		

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	11-26 3/142			
3 <i>[Signature]</i>					
5 <i>[Signature]</i>					

Revised Date: 08/25/2020 Rev. 20202

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) 382-7550, Carlsbad, NM (575) 988-3199



Environment Testing
Xenco

Work Order No:

www.xenco.com Page 2 of 2

Work Order Comments

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

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

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

Deliverables: EDD ☐ ADaPT ☐ Other:

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

ANALYSIS REQUEST										Preservative Codes					
Project Name:	Right Meow 31 CTB 7	Turn Around	Pres. Code	Parameters						None: NO	DI Water: H ₂ O				
Project Number:	9259	☒ Routine ☐ Rush								Cool: Cool	MeOH: Me				
Project Location:	Lea County, NM	Due Date:								HCL: HC	HNO ₃ : HN				
Sampler's Name:	Evan Braswell, Michael Benini	TAT starts the day received by the lab, if received by 4:30pm								H ₂ SO ₄ : H ₂	NaOH: Na				
CC/ WO #:	21688331									H ₃ PO ₄ : HP					
SAMPLE RECEIPT				Temp Blank:	Yes	No	Wet Ice:	Yes	No						
Samples Received Intact:	Yes	No	Thermometer ID:							NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes	No	Correction Factor:							Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes	No	Temperature Reading:							Zn Acetate+NaOH: Zn					
Total Containers:			Corrected Temperature:							NaOH+Ascorbic Acid: SAPC					
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/ Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI	Sample Comments
HA - 4	S	3/18/2026	9:50	2R	Grab/	1	X	X	X						Incident Number
HA - 5	S	3/18/2026	9:55	0.5	Grab/	1	X	X	X						nAPP2606434775
HA - 5	S	3/18/2026	10:00	1	Grab/	1	X	X	X						
HA - 5	S	3/18/2026	10:05	2R	Grab/	1	X	X	X						
HA - 6	S	3/18/2026	10:10	0.5	Grab/	1	X	X	X						
HA - 6	S	3/18/2026	10:15	1	Grab/	1	X	X	X						
HA - 6	S	3/18/2026	10:20	2R	Grab/	1	X	X	X						
HA - 7	S	3/18/2026	10:25	0.5	Grab/	1	X	X	X						
HA - 7	S	3/18/2026	10:30	1	Grab/	1	X	X	X						
HA - 7	S	3/18/2026	10:35	1.5R	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 SiO₂ Na Sr Ti Sn U V Zn

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11:28			

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment testing

Client Information (Sub Contract Lab)				Sampler:	Lab PM:	Carrier Tracking No(s):	COC No.									
Client Contact:				N/A	Teel, Brianna	N/A	890-6694.1									
Shipping/Receiving				Phone:	E-Mail:	State of Origin:	Page:									
Eurofins Environment Testing South Cent				N/A	Brianna.Teel@eurofins.com	New Mexico	Page 1 of 3									
Address:				Accreditations Required (See note):		Job #:	Preservation Codes:									
1211 W. Florida Ave.				NELAP - Texas		890-9674-1										
City:				Due Date Requested:												
Midland				3/25/2026												
State, Zip:				TAT Requested (days):												
TX, 79701				N/A												
Phone:				PO #:												
432-704-5440(Tel)				N/A												
Email:				WO #:												
N/A				N/A												
Project Name:				Project #:												
Right Meow 31 CTB 7				88001228												
Site:				SSOW#:												
N/A				N/A												
Sample Identification - Client ID (Lab ID)				Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, B=biomass, 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:
HA-1 (890-9674-1)				3/18/26	09:00	G	Solid			X	X	X	X	X	1	
HA-1 (890-9674-2)				3/18/26	09:05	G	Solid			X	X	X	X	X	1	
HA-2 (890-9674-3)				3/18/26	09:10	G	Solid			X	X	X	X	X	1	
HA-2 (890-9674-4)				3/18/26	09:15	G	Solid			X	X	X	X	X	1	
HA-2 (890-9674-5)				3/18/26	09:20	G	Solid			X	X	X	X	X	1	
HA-3 (890-9674-6)				3/18/26	09:25	G	Solid			X	X	X	X	X	1	
HA-3 (890-9674-7)				3/18/26	09:30	G	Solid			X	X	X	X	X	1	
HA-3 (890-9674-8)				3/18/26	09:35	G	Solid			X	X	X	X	X	1	
HA-4 (890-9674-9)				3/18/26	09:40	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, analysis & 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, 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

Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 _____

Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____

Relinquished by: _____ Date/Time: 3/19 1630 Company: _____ Received by: _____ Date/Time: 3-20-26 800 Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____

Δ Yes Δ No

Eurofins Carlsbad

1089 N Canal St.

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)				Sampler:	Lab PM	Carrier Tracking No(s):	COC No:
Client Contact:	Shipping/Receiving	Address:	Due Date Requested:	City:	State, Zip:	Phone:	890-6694.2
Company:	Eurofins Environment Testing South Cent	1211 W. Florida Ave,	3/25/2026	Midland	TX, 79701	PO #:	Page 2 of 3
				TAT Requested (days):	N/A	Project #:	Job #:
				Phone:	432-704-5440(Tel)	WFO #:	890-9674-1
				Email:	N/A	SSOW#:	Preservation Codes:
				Project Name:	Right Meow 31 CTB 7	Field Filtered Sample (Yes or No)	
				Site:	N/A	Perform MS/MSD (Yes or No)	
				Sample Identification - Client ID (Lab ID)		Total BTEX_GCV	
HA-4 (890-9674-10)	3/18/26	Mountain	09:45	G	Solid	8021B/5035FP_CalcBTEX	1
HA-4 (890-9674-11)	3/18/26	Mountain	09:50	G	Solid	300_ORGFM_28D/DI_LEACHChloride	1
HA-5 (890-9674-12)	3/18/26	Mountain	09:55	G	Solid	8015MOD_Calc	1
HA-5 (890-9674-13)	3/18/26	Mountain	10:00	G	Solid	8015MOD_NM/8015NM_S_Prep8015 NM	1
HA-5 (890-9674-14)	3/18/26	Mountain	10:05	G	Solid		1
HA-6 (890-9674-15)	3/18/26	Mountain	10:10	G	Solid		1
HA-6 (890-9674-16)	3/18/26	Mountain	10:15	G	Solid		1
HA-6 (890-9674-17)	3/18/26	Mountain	10:20	G	Solid		1
HA-7 (890-9674-18)	3/18/26	Mountain	10:25	G	Solid		1

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/test/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

Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements: _____

Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____

Relinquished by: _____ Date/Time: 3/19 1630 Company: _____ Received by: _____ Date/Time: 3-26-26 800 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: _____

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9674-1

SDG Number: Lea County New Mexico

Login Number: 9674

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
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: 890-9674-1

SDG Number: Lea County New Mexico

Login Number: 9674

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 03/20/26 09:47 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	



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706

Generated 3/30/2026 1:58:06 PM

JOB DESCRIPTION

RIGHT MEOW 31 CTB 7
Lea County New Mexico

JOB NUMBER

890-9675-1

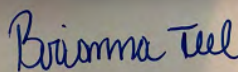
Eurofins Carlsbad

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
3/30/2026 1:58:06 PM

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

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Laboratory Job ID: 890-9675-1
SDG: Lea County New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	22
QC Sample Results	24
QC Association Summary	29
Lab Chronicle	34
Certification Summary	40
Method Summary	41
Sample Summary	42
Chain of Custody	43
Receipt Checklists	47

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD 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
Project: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1

Job ID: 890-9675-1

Eurofins Carlsbad

Job Narrative 890-9675-1

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

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

Receipt

The samples were received on 3/19/2026 11:26 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: HA - 8 (890-9675-1), HA - 8 (890-9675-2), HA - 9 (890-9675-3), HA - 9 (890-9675-4), HA - 10 (890-9675-5), HA - 10 (890-9675-6), HA - 11 (890-9675-7), HA - 11 (890-9675-8), HA - 12 (890-9675-9), HA - 12 (890-9675-10), HA - 13 (890-9675-11), HA - 13 (890-9675-12), HA - 14 (890-9675-13), HA - 14 (890-9675-14), HA - 15 (890-9675-15), HA - 15 (890-9675-16), HA - 16 (890-9675-17) and HA - 16 (890-9675-18).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 12 (890-9675-9), HA - 12 (890-9675-10), HA - 13 (890-9675-12), HA - 14 (890-9675-13), HA - 15 (890-9675-15), HA - 15 (890-9675-16) and HA - 16 (890-9675-18). 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 8015B NM: Surrogate recovery for the following samples were outside control limits: HA - 11 (890-9675-7), HA - 12 (890-9675-9), HA - 13 (890-9675-12), HA - 14 (890-9675-13), HA - 14 (890-9675-14), HA - 15 (890-9675-15) and HA - 16 (890-9675-18). Evidence of matrix interferences is not obvious.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-136047 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: (CCV 880-136047/110) and (CCV 880-136047/57).

Method 8015B NM: The laboratory control sample (LCS) associated with preparation batch 880-135687 and analytical batch 880-136047 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-135687/2-A) and (LCSD 880-135687/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-135561 and analytical batch 880-135605 were outside control limits for Chloride. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Eurofins Carlsbad

Case Narrative

Client: Earth Systems Response and Restoration
Project: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1

Job ID: 890-9675-1 (Continued) **Eurofins Carlsbad**

The associated samples are: HA - 8 (890-9675-1), HA - 8 (890-9675-2), HA - 9 (890-9675-3) and HA - 9 (890-9675-4).

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 8

Lab Sample ID: 890-9675-1

Date Collected: 03/18/26 11:00

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 11:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:18	03/25/26 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 11:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:18	03/25/26 11:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/25/26 11:18	03/25/26 11:28	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/25/26 11:18	03/25/26 11:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/25/26 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			03/27/26 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	<50.4	U	50.4		mg/Kg		03/23/26 13:44	03/27/26 08:53	1
Diesel Range Organics (Over C10-C28)	<50.4	U *	50.4		mg/Kg		03/23/26 13:44	03/27/26 08:53	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		03/23/26 13:44	03/27/26 08:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130	03/23/26 13:44	03/27/26 08:53	1
o-Terphenyl	160	S1+	70 - 130	03/23/26 13:44	03/27/26 08:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.7		10.1		mg/Kg			03/23/26 15:11	1

Client Sample ID: HA - 8

Lab Sample ID: 890-9675-2

Date Collected: 03/18/26 11:10

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1.5R

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		03/25/26 11:18	03/25/26 11:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 11:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 11:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:18	03/25/26 11:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 11:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:18	03/25/26 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/25/26 11:18	03/25/26 11:48	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 8

Lab Sample ID: 890-9675-2

Date Collected: 03/18/26 11:10

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1.5R

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	03/25/26 11:18	03/25/26 11:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/25/26 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/27/26 09:14	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	<49.9	U	49.9		mg/Kg		03/23/26 13:44	03/27/26 09:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		03/23/26 13:44	03/27/26 09:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:44	03/27/26 09:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				03/23/26 13:44	03/27/26 09:14	1
o-Terphenyl	115		70 - 130				03/23/26 13:44	03/27/26 09:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.1		10.1		mg/Kg			03/23/26 15:16	1

Client Sample ID: HA - 9

Lab Sample ID: 890-9675-3

Date Collected: 03/18/26 11:20

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 12:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:18	03/25/26 12:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:18	03/25/26 12:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/25/26 11:18	03/25/26 12:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:18	03/25/26 12:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/25/26 11:18	03/25/26 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	03/25/26 11:18	03/25/26 12:08	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/25/26 11:18	03/25/26 12:08	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			03/25/26 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/27/26 09:34	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 9

Lab Sample ID: 890-9675-3

Date Collected: 03/18/26 11:20

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/23/26 13:44	03/27/26 09:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		03/23/26 13:44	03/27/26 09:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:44	03/27/26 09:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130				03/23/26 13:44	03/27/26 09:34	1
o-Terphenyl	161	S1+	70 - 130				03/23/26 13:44	03/27/26 09:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		9.90		mg/Kg			03/23/26 15:21	1

Client Sample ID: HA - 9

Lab Sample ID: 890-9675-4

Date Collected: 03/18/26 11:25

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

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		03/25/26 11:18	03/25/26 12:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 12:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 12:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/26 11:18	03/25/26 12:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 12:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 11:18	03/25/26 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/25/26 11:18	03/25/26 12:29	1
1,4-Difluorobenzene (Surr)	99		70 - 130				03/25/26 11:18	03/25/26 12:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/25/26 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/27/26 09:54	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		03/23/26 13:44	03/27/26 09:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		03/23/26 13:44	03/27/26 09:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:44	03/27/26 09:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/23/26 13:44	03/27/26 09:54	1
o-Terphenyl	109		70 - 130				03/23/26 13:44	03/27/26 09:54	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 9

Lab Sample ID: 890-9675-4

Date Collected: 03/18/26 11:25

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	316		50.5		mg/Kg			03/23/26 15:26	5

Client Sample ID: HA - 10

Lab Sample ID: 890-9675-5

Date Collected: 03/18/26 11:35

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 12:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/25/26 11:18	03/25/26 12:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/25/26 11:18	03/25/26 12:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/25/26 11:18	03/25/26 12:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/25/26 11:18	03/25/26 12:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/25/26 11:18	03/25/26 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/25/26 11:18	03/25/26 12:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/25/26 11:18	03/25/26 12:49	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			03/25/26 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/27/26 10:14	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		03/23/26 13:44	03/27/26 10:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		03/23/26 13:44	03/27/26 10:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:44	03/27/26 10:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				03/23/26 13:44	03/27/26 10:14	1
o-Terphenyl	95		70 - 130				03/23/26 13:44	03/27/26 10:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.5		10.1		mg/Kg			03/23/26 15:32	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 10

Lab Sample ID: 890-9675-6

Date Collected: 03/18/26 11:45

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

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		03/25/26 11:18	03/25/26 13:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 13:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 13:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:18	03/25/26 13:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 13:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:18	03/25/26 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/25/26 11:18	03/25/26 13:10	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/25/26 11:18	03/25/26 13:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/25/26 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			03/27/26 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	<50.1	U	50.1		mg/Kg		03/23/26 13:44	03/27/26 10:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U **	50.1		mg/Kg		03/23/26 13:44	03/27/26 10:35	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/23/26 13:44	03/27/26 10:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	03/23/26 13:44	03/27/26 10:35	1
o-Terphenyl	128		70 - 130	03/23/26 13:44	03/27/26 10:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.2		9.90		mg/Kg			03/23/26 15:47	1

Client Sample ID: HA - 11

Lab Sample ID: 890-9675-7

Date Collected: 03/18/26 12:00

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 13:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 13:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 13:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:18	03/25/26 13:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 13:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:18	03/25/26 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/25/26 11:18	03/25/26 13:30	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 11

Lab Sample ID: 890-9675-7

Date Collected: 03/18/26 12:00

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	03/25/26 11:18	03/25/26 13:30	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			03/25/26 13:30	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			03/27/26 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 04:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 04:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				03/23/26 13:47	03/27/26 04:14	1
o-Terphenyl	139	S1+	70 - 130				03/23/26 13:47	03/27/26 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2640		50.5		mg/Kg			03/23/26 15:53	5

Client Sample ID: HA - 11

Lab Sample ID: 890-9675-8

Date Collected: 03/18/26 12:10

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1.5R

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		03/25/26 11:18	03/25/26 13:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:18	03/25/26 13:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:18	03/25/26 13:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/25/26 11:18	03/25/26 13:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/25/26 11:18	03/25/26 13:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/25/26 11:18	03/25/26 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/25/26 11:18	03/25/26 13:51	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/25/26 11:18	03/25/26 13:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/25/26 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/27/26 05:12	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 11

Lab Sample ID: 890-9675-8

Date Collected: 03/18/26 12:10

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1.5R

Method: SW846 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 *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 05:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 05:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/23/26 13:47	03/27/26 05:12	1
o-Terphenyl	113		70 - 130				03/23/26 13:47	03/27/26 05:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3930		50.3		mg/Kg			03/23/26 16:08	5

Client Sample ID: HA - 12

Lab Sample ID: 890-9675-9

Date Collected: 03/18/26 12:30

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 16:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 16:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 16:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/26 11:18	03/25/26 16:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 16:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 11:18	03/25/26 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				03/25/26 11:18	03/25/26 16:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/25/26 11:18	03/25/26 16:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/25/26 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/27/26 05:31	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 *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 05:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 05:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 05:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				03/23/26 13:47	03/27/26 05:31	1
o-Terphenyl	135	S1+	70 - 130				03/23/26 13:47	03/27/26 05:31	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 12

Lab Sample ID: 890-9675-9

Date Collected: 03/18/26 12:30

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		9.94		mg/Kg			03/23/26 16:14	1

Client Sample ID: HA - 12

Lab Sample ID: 890-9675-10

Date Collected: 03/18/26 12:40

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

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		03/25/26 11:18	03/25/26 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 16:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/26 11:18	03/25/26 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 16:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/26 11:18	03/25/26 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				03/25/26 11:18	03/25/26 16:49	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/25/26 11:18	03/25/26 16:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/25/26 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/27/26 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		03/23/26 13:47	03/27/26 05:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/23/26 13:47	03/27/26 05:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:47	03/27/26 05:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				03/23/26 13:47	03/27/26 05:51	1
o-Terphenyl	130		70 - 130				03/23/26 13:47	03/27/26 05:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.0		10.0		mg/Kg			03/23/26 16:19	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 13

Lab Sample ID: 890-9675-11

Date Collected: 03/18/26 12:50

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 17:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 17:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 17:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:18	03/25/26 17:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 17:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:18	03/25/26 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/25/26 11:18	03/25/26 17:09	1
1,4-Difluorobenzene (Surr)	79		70 - 130	03/25/26 11:18	03/25/26 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			03/25/26 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			03/27/26 06:10	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	<49.9	U *1	49.9		mg/Kg		03/23/26 13:47	03/27/26 06:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/26 13:47	03/27/26 06:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:47	03/27/26 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	03/23/26 13:47	03/27/26 06:10	1
o-Terphenyl	115		70 - 130	03/23/26 13:47	03/27/26 06:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		10.0		mg/Kg			03/23/26 16:24	1

Client Sample ID: HA - 13

Lab Sample ID: 890-9675-12

Date Collected: 03/18/26 01:00

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

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		03/25/26 11:18	03/25/26 17:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 17:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 17:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:18	03/25/26 17:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 17:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:18	03/25/26 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/25/26 11:18	03/25/26 17:30	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 13

Lab Sample ID: 890-9675-12

Date Collected: 03/18/26 01:00

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	79		70 - 130	03/25/26 11:18	03/25/26 17:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/25/26 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/27/26 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/23/26 13:47	03/27/26 06:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/26 13:47	03/27/26 06:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:47	03/27/26 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				03/23/26 13:47	03/27/26 06:30	1
o-Terphenyl	134	S1+	70 - 130				03/23/26 13:47	03/27/26 06:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	309		9.98		mg/Kg			03/23/26 16:29	1

Client Sample ID: HA - 14

Lab Sample ID: 890-9675-13

Date Collected: 03/18/26 01:30

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 17:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 17:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 17:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/25/26 11:18	03/25/26 17:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 17:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/25/26 11:18	03/25/26 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	03/25/26 11:18	03/25/26 17:50	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/25/26 11:18	03/25/26 17:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/25/26 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			03/27/26 06:50	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 14

Lab Sample ID: 890-9675-13

Date Collected: 03/18/26 01:30

Matrix: Solid

Date Received: 03/19/26 11:26

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 *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 06:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 06:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 06:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				03/23/26 13:47	03/27/26 06:50	1
o-Terphenyl	149	S1+	70 - 130				03/23/26 13:47	03/27/26 06:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.7		10.1		mg/Kg			03/23/26 16:35	1

Client Sample ID: HA - 14

Lab Sample ID: 890-9675-14

Date Collected: 03/18/26 01:40

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

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		03/25/26 11:18	03/25/26 18:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 18:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 18:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/26 11:18	03/25/26 18:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 18:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 11:18	03/25/26 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/25/26 11:18	03/25/26 18:10	1
1,4-Difluorobenzene (Surr)	79		70 - 130				03/25/26 11:18	03/25/26 18:10	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			03/25/26 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/27/26 07:09	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 *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 07:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 07:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 07:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				03/23/26 13:47	03/27/26 07:09	1
o-Terphenyl	134	S1+	70 - 130				03/23/26 13:47	03/27/26 07:09	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 14

Lab Sample ID: 890-9675-14

Date Collected: 03/18/26 01:40

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

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			03/23/26 16:40	1

Client Sample ID: HA - 15

Lab Sample ID: 890-9675-15

Date Collected: 03/18/26 01:50

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 18:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 18:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 18:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/26 11:18	03/25/26 18:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 18:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/26 11:18	03/25/26 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				03/25/26 11:18	03/25/26 18:31	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/25/26 11:18	03/25/26 18:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/25/26 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			03/27/26 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	<49.9	U *1	49.9		mg/Kg		03/23/26 13:47	03/27/26 07:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/26 13:47	03/27/26 07:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:47	03/27/26 07:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				03/23/26 13:47	03/27/26 07:28	1
o-Terphenyl	139	S1+	70 - 130				03/23/26 13:47	03/27/26 07:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		10.1		mg/Kg			03/20/26 22:58	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 15

Lab Sample ID: 890-9675-16

Date Collected: 03/18/26 02:00

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 2R

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		03/25/26 11:18	03/25/26 18:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 18:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 18:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/26 11:18	03/25/26 18:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/26 11:18	03/25/26 18:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/26 11:18	03/25/26 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	03/25/26 11:18	03/25/26 18:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/25/26 11:18	03/25/26 18:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/25/26 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/27/26 07:49	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 *1	49.9		mg/Kg		03/23/26 13:47	03/27/26 07:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/26 13:47	03/27/26 07:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:47	03/27/26 07:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	03/23/26 13:47	03/27/26 07:49	1
o-Terphenyl	136	S1+	70 - 130	03/23/26 13:47	03/27/26 07:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	592		10.1		mg/Kg			03/20/26 23:04	1

Client Sample ID: HA - 16

Lab Sample ID: 890-9675-17

Date Collected: 03/18/26 02:30

Matrix: Solid

Date Received: 03/19/26 11:26

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		03/25/26 11:18	03/25/26 19:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 19:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 19:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/25/26 11:18	03/25/26 19:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 11:18	03/25/26 19:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/25/26 11:18	03/25/26 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/25/26 11:18	03/25/26 19:12	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 16

Lab Sample ID: 890-9675-17

Date Collected: 03/18/26 02:30

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	03/25/26 11:18	03/25/26 19:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/25/26 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	<50.0	U	50.0		mg/Kg			03/27/26 08:27	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 *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 08:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/26 13:47	03/27/26 08:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 08:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				03/23/26 13:47	03/27/26 08:27	1
o-Terphenyl	123		70 - 130				03/23/26 13:47	03/27/26 08:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.4		9.90		mg/Kg			03/20/26 23:11	1

Client Sample ID: HA - 16

Lab Sample ID: 890-9675-18

Date Collected: 03/18/26 02:40

Matrix: Solid

Date Received: 03/19/26 11:26

Sample Depth: 1R

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		03/25/26 11:18	03/25/26 19:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 19:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 19:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/26 11:18	03/25/26 19:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/26 11:18	03/25/26 19:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/26 11:18	03/25/26 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	03/25/26 11:18	03/25/26 19:32	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/25/26 11:18	03/25/26 19:32	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			03/25/26 19:32	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			03/27/26 08:46	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 16
Date Collected: 03/18/26 02:40
Date Received: 03/19/26 11:26
Sample Depth: 1R

Lab Sample ID: 890-9675-18
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		03/23/26 13:47	03/27/26 08:46	1	
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/23/26 13:47	03/27/26 08:46	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:47	03/27/26 08:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	132	S1+	70 - 130				03/23/26 13:47	03/27/26 08:46	1	
o-Terphenyl	142	S1+	70 - 130				03/23/26 13:47	03/27/26 08:46	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	65.2		10.1		mg/Kg			03/20/26 23:18	1	

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

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)
890-9675-1	HA - 8	114	100
890-9675-1 MS	HA - 8	94	88
890-9675-1 MSD	HA - 8	107	99
890-9675-2	HA - 8	105	91
890-9675-3	HA - 9	120	98
890-9675-4	HA - 9	120	99
890-9675-5	HA - 10	118	100
890-9675-6	HA - 10	114	97
890-9675-7	HA - 11	108	100
890-9675-8	HA - 11	117	100
890-9675-9	HA - 12	138 S1+	94
890-9675-10	HA - 12	135 S1+	94
890-9675-11	HA - 13	112	79
890-9675-12	HA - 13	108	79
890-9675-13	HA - 14	133 S1+	94
890-9675-14	HA - 14	115	79
890-9675-15	HA - 15	134 S1+	109
890-9675-16	HA - 15	132 S1+	93
890-9675-17	HA - 16	109	93
890-9675-18	HA - 16	141 S1+	108
LCS 880-135874/1-A	Lab Control Sample	106	98
LCSD 880-135874/2-A	Lab Control Sample Dup	96	90
MB 880-135874/5-A	Method Blank	102	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)
890-9675-1	HA - 8	166 S1+	160 S1+
890-9675-2	HA - 8	127	115
890-9675-3	HA - 9	164 S1+	161 S1+
890-9675-4	HA - 9	115	109
890-9675-5	HA - 10	93	95
890-9675-6	HA - 10	117	128
890-9675-7	HA - 11	137 S1+	139 S1+
890-9675-7 MS	HA - 11	124	109
890-9675-7 MSD	HA - 11	123	109
890-9675-8	HA - 11	117	113
890-9675-9	HA - 12	132 S1+	135 S1+
890-9675-10	HA - 12	127	130
890-9675-11	HA - 13	105	115
890-9675-12	HA - 13	127	134 S1+
890-9675-13	HA - 14	141 S1+	149 S1+
890-9675-14	HA - 14	125	134 S1+

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

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)
890-9675-15	HA - 15	132 S1+	139 S1+
890-9675-16	HA - 15	131 S1+	136 S1+
890-9675-17	HA - 16	124	123
890-9675-18	HA - 16	132 S1+	142 S1+
LCS 880-135687/2-A	Lab Control Sample	128	126
LCS 880-135688/2-A	Lab Control Sample	126	108
LCSD 880-135687/3-A	Lab Control Sample Dup	153 S1+	140 S1+
LCSD 880-135688/3-A	Lab Control Sample Dup	110	94
MB 880-135688/1-A	Method Blank	82	85
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-135874/5-A

Matrix: Solid

Analysis Batch: 135856

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/26 07:00	03/25/26 11:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/26 07:00	03/25/26 11:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/26 07:00	03/25/26 11:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/26 07:00	03/25/26 11:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/26 07:00	03/25/26 11:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/26 07:00	03/25/26 11:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/25/26 07:00	03/25/26 11:02	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/25/26 07:00	03/25/26 11:02	1

Lab Sample ID: LCS 880-135874/1-A

Matrix: Solid

Analysis Batch: 135856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.09250		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09838		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2038		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1034		mg/Kg		103	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 880-135874/2-A

Matrix: Solid

Analysis Batch: 135856

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09223		mg/Kg		92	70 - 130	13	35
Toluene	0.100	0.08208		mg/Kg		82	70 - 130	12	35
Ethylbenzene	0.100	0.08778		mg/Kg		88	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1839		mg/Kg		92	70 - 130	10	35
o-Xylene	0.100	0.09307		mg/Kg		93	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-9675-1 MS

Matrix: Solid

Analysis Batch: 135856

Client Sample ID: HA - 8

Prep Type: Total/NA

Prep Batch: 135874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08514		mg/Kg		85	70 - 130
Toluene	<0.00200	U	0.100	0.07768		mg/Kg		78	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-9675-1 MS

Matrix: Solid

Analysis Batch: 135856

Client Sample ID: HA - 8

Prep Type: Total/NA

Prep Batch: 135874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08504		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1790		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.08819		mg/Kg		88	70 - 130

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

Lab Sample ID: 890-9675-1 MSD

Matrix: Solid

Analysis Batch: 135856

Client Sample ID: HA - 8

Prep Type: Total/NA

Prep Batch: 135874

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	0.09544		mg/Kg		95	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.08575		mg/Kg		86	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.09269		mg/Kg		93	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1945		mg/Kg		97	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.09675		mg/Kg		97	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: LCS 880-135687/2-A

Matrix: Solid

Analysis Batch: 136047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1144		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1233		mg/Kg		123	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: LCSD 880-135687/3-A

Matrix: Solid

Analysis Batch: 136047

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135687

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1284		mg/Kg		128	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1444	*+	mg/Kg		144	70 - 130	16	20

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-135687/3-A

Matrix: Solid

Analysis Batch: 136047

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135687

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	153	S1+	70 - 130
o-Terphenyl	140	S1+	70 - 130

Lab Sample ID: MB 880-135688/1-A

Matrix: Solid

Analysis Batch: 136052

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135688

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 14:07	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 14:07	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:47	03/27/26 14:07	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	82		70 - 130				03/23/26 13:47	03/27/26 14:07	1	
o-Terphenyl	85		70 - 130				03/23/26 13:47	03/27/26 14:07	1	

Lab Sample ID: LCS 880-135688/2-A

Matrix: Solid

Analysis Batch: 136052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135688

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1040		mg/Kg		104	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1197		mg/Kg		120	70 - 130			
Surrogate		%Recovery	Qualifier	Limits						
1-Chlorooctane		126		70 - 130						
o-Terphenyl		108		70 - 130						

Lab Sample ID: LCSD 880-135688/3-A

Matrix: Solid

Analysis Batch: 136052

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135688

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	845.3	*1	mg/Kg		85	70 - 130	21	20	
Diesel Range Organics (Over C10-C28)	1000	930.4	*1	mg/Kg		93	70 - 130	25	20	
Surrogate		%Recovery	Qualifier	Limits						
1-Chlorooctane		110		70 - 130						
o-Terphenyl		94		70 - 130						

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

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

Lab Sample ID: 890-9675-7 MS

Matrix: Solid

Analysis Batch: 136052

Client Sample ID: HA - 11

Prep Type: Total/NA

Prep Batch: 135688

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	998	850.0		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *1	998	850.5		mg/Kg		81	70 - 130		

Lab Sample ID: 890-9675-7 MSD

Matrix: Solid

Analysis Batch: 136052

Client Sample ID: HA - 11

Prep Type: Total/NA

Prep Batch: 135688

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	998	854.5		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U *1	998	869.6		mg/Kg		83	70 - 130	2	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	123		70 - 130								
o-Terphenyl	109		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-135554/1-A

Matrix: Solid

Analysis Batch: 135565

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			03/20/26 19:59	1

Lab Sample ID: LCS 880-135554/2-A

Matrix: Solid

Analysis Batch: 135565

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.2		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-135554/3-A

Matrix: Solid

Analysis Batch: 135565

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	228.5		mg/Kg		91	90 - 110	0	20

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-135561/1-A

Matrix: Solid

Analysis Batch: 135605

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			03/23/26 13:10	1

Lab Sample ID: LCS 880-135561/2-A

Matrix: Solid

Analysis Batch: 135605

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.1		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-135561/3-A

Matrix: Solid

Analysis Batch: 135605

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	240.6		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-9675-5 MS

Matrix: Solid

Analysis Batch: 135605

Client Sample ID: HA - 10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	37.5		253	294.2		mg/Kg		102	90 - 110

Lab Sample ID: 890-9675-5 MSD

Matrix: Solid

Analysis Batch: 135605

Client Sample ID: HA - 10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	37.5		253	294.7		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 135856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-1	HA - 8	Total/NA	Solid	8021B	135874
890-9675-2	HA - 8	Total/NA	Solid	8021B	135874
890-9675-3	HA - 9	Total/NA	Solid	8021B	135874
890-9675-4	HA - 9	Total/NA	Solid	8021B	135874
890-9675-5	HA - 10	Total/NA	Solid	8021B	135874
890-9675-6	HA - 10	Total/NA	Solid	8021B	135874
890-9675-7	HA - 11	Total/NA	Solid	8021B	135874
890-9675-8	HA - 11	Total/NA	Solid	8021B	135874
890-9675-9	HA - 12	Total/NA	Solid	8021B	135874
890-9675-10	HA - 12	Total/NA	Solid	8021B	135874
890-9675-11	HA - 13	Total/NA	Solid	8021B	135874
890-9675-12	HA - 13	Total/NA	Solid	8021B	135874
890-9675-13	HA - 14	Total/NA	Solid	8021B	135874
890-9675-14	HA - 14	Total/NA	Solid	8021B	135874
890-9675-15	HA - 15	Total/NA	Solid	8021B	135874
890-9675-16	HA - 15	Total/NA	Solid	8021B	135874
890-9675-17	HA - 16	Total/NA	Solid	8021B	135874
890-9675-18	HA - 16	Total/NA	Solid	8021B	135874
MB 880-135874/5-A	Method Blank	Total/NA	Solid	8021B	135874
LCS 880-135874/1-A	Lab Control Sample	Total/NA	Solid	8021B	135874
LCSD 880-135874/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	135874
890-9675-1 MS	HA - 8	Total/NA	Solid	8021B	135874
890-9675-1 MSD	HA - 8	Total/NA	Solid	8021B	135874

Prep Batch: 135874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-1	HA - 8	Total/NA	Solid	5035	
890-9675-2	HA - 8	Total/NA	Solid	5035	
890-9675-3	HA - 9	Total/NA	Solid	5035	
890-9675-4	HA - 9	Total/NA	Solid	5035	
890-9675-5	HA - 10	Total/NA	Solid	5035	
890-9675-6	HA - 10	Total/NA	Solid	5035	
890-9675-7	HA - 11	Total/NA	Solid	5035	
890-9675-8	HA - 11	Total/NA	Solid	5035	
890-9675-9	HA - 12	Total/NA	Solid	5035	
890-9675-10	HA - 12	Total/NA	Solid	5035	
890-9675-11	HA - 13	Total/NA	Solid	5035	
890-9675-12	HA - 13	Total/NA	Solid	5035	
890-9675-13	HA - 14	Total/NA	Solid	5035	
890-9675-14	HA - 14	Total/NA	Solid	5035	
890-9675-15	HA - 15	Total/NA	Solid	5035	
890-9675-16	HA - 15	Total/NA	Solid	5035	
890-9675-17	HA - 16	Total/NA	Solid	5035	
890-9675-18	HA - 16	Total/NA	Solid	5035	
MB 880-135874/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-135874/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-135874/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9675-1 MS	HA - 8	Total/NA	Solid	5035	
890-9675-1 MSD	HA - 8	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 136008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-1	HA - 8	Total/NA	Solid	Total BTEX	
890-9675-2	HA - 8	Total/NA	Solid	Total BTEX	
890-9675-3	HA - 9	Total/NA	Solid	Total BTEX	
890-9675-4	HA - 9	Total/NA	Solid	Total BTEX	
890-9675-5	HA - 10	Total/NA	Solid	Total BTEX	
890-9675-6	HA - 10	Total/NA	Solid	Total BTEX	
890-9675-7	HA - 11	Total/NA	Solid	Total BTEX	
890-9675-8	HA - 11	Total/NA	Solid	Total BTEX	
890-9675-9	HA - 12	Total/NA	Solid	Total BTEX	
890-9675-10	HA - 12	Total/NA	Solid	Total BTEX	
890-9675-11	HA - 13	Total/NA	Solid	Total BTEX	
890-9675-12	HA - 13	Total/NA	Solid	Total BTEX	
890-9675-13	HA - 14	Total/NA	Solid	Total BTEX	
890-9675-14	HA - 14	Total/NA	Solid	Total BTEX	
890-9675-15	HA - 15	Total/NA	Solid	Total BTEX	
890-9675-16	HA - 15	Total/NA	Solid	Total BTEX	
890-9675-17	HA - 16	Total/NA	Solid	Total BTEX	
890-9675-18	HA - 16	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 135687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-1	HA - 8	Total/NA	Solid	8015NM Prep	
890-9675-2	HA - 8	Total/NA	Solid	8015NM Prep	
890-9675-3	HA - 9	Total/NA	Solid	8015NM Prep	
890-9675-4	HA - 9	Total/NA	Solid	8015NM Prep	
890-9675-5	HA - 10	Total/NA	Solid	8015NM Prep	
890-9675-6	HA - 10	Total/NA	Solid	8015NM Prep	
LCS 880-135687/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 135688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-7	HA - 11	Total/NA	Solid	8015NM Prep	
890-9675-8	HA - 11	Total/NA	Solid	8015NM Prep	
890-9675-9	HA - 12	Total/NA	Solid	8015NM Prep	
890-9675-10	HA - 12	Total/NA	Solid	8015NM Prep	
890-9675-11	HA - 13	Total/NA	Solid	8015NM Prep	
890-9675-12	HA - 13	Total/NA	Solid	8015NM Prep	
890-9675-13	HA - 14	Total/NA	Solid	8015NM Prep	
890-9675-14	HA - 14	Total/NA	Solid	8015NM Prep	
890-9675-15	HA - 15	Total/NA	Solid	8015NM Prep	
890-9675-16	HA - 15	Total/NA	Solid	8015NM Prep	
890-9675-17	HA - 16	Total/NA	Solid	8015NM Prep	
890-9675-18	HA - 16	Total/NA	Solid	8015NM Prep	
MB 880-135688/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135688/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135688/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9675-7 MS	HA - 11	Total/NA	Solid	8015NM Prep	
890-9675-7 MSD	HA - 11	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 136047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-1	HA - 8	Total/NA	Solid	8015B NM	135687
890-9675-2	HA - 8	Total/NA	Solid	8015B NM	135687
890-9675-3	HA - 9	Total/NA	Solid	8015B NM	135687
890-9675-4	HA - 9	Total/NA	Solid	8015B NM	135687
890-9675-5	HA - 10	Total/NA	Solid	8015B NM	135687
890-9675-6	HA - 10	Total/NA	Solid	8015B NM	135687
LCS 880-135687/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135687
LCSD 880-135687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135687

Analysis Batch: 136052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-7	HA - 11	Total/NA	Solid	8015B NM	135688
890-9675-8	HA - 11	Total/NA	Solid	8015B NM	135688
890-9675-9	HA - 12	Total/NA	Solid	8015B NM	135688
890-9675-10	HA - 12	Total/NA	Solid	8015B NM	135688
890-9675-11	HA - 13	Total/NA	Solid	8015B NM	135688
890-9675-12	HA - 13	Total/NA	Solid	8015B NM	135688
890-9675-13	HA - 14	Total/NA	Solid	8015B NM	135688
890-9675-14	HA - 14	Total/NA	Solid	8015B NM	135688
890-9675-15	HA - 15	Total/NA	Solid	8015B NM	135688
890-9675-16	HA - 15	Total/NA	Solid	8015B NM	135688
890-9675-17	HA - 16	Total/NA	Solid	8015B NM	135688
890-9675-18	HA - 16	Total/NA	Solid	8015B NM	135688
MB 880-135688/1-A	Method Blank	Total/NA	Solid	8015B NM	135688
LCS 880-135688/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135688
LCSD 880-135688/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135688
890-9675-7 MS	HA - 11	Total/NA	Solid	8015B NM	135688
890-9675-7 MSD	HA - 11	Total/NA	Solid	8015B NM	135688

Analysis Batch: 136204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-1	HA - 8	Total/NA	Solid	8015 NM	
890-9675-2	HA - 8	Total/NA	Solid	8015 NM	
890-9675-3	HA - 9	Total/NA	Solid	8015 NM	
890-9675-4	HA - 9	Total/NA	Solid	8015 NM	
890-9675-5	HA - 10	Total/NA	Solid	8015 NM	
890-9675-6	HA - 10	Total/NA	Solid	8015 NM	
890-9675-7	HA - 11	Total/NA	Solid	8015 NM	
890-9675-8	HA - 11	Total/NA	Solid	8015 NM	
890-9675-9	HA - 12	Total/NA	Solid	8015 NM	
890-9675-10	HA - 12	Total/NA	Solid	8015 NM	
890-9675-11	HA - 13	Total/NA	Solid	8015 NM	
890-9675-12	HA - 13	Total/NA	Solid	8015 NM	
890-9675-13	HA - 14	Total/NA	Solid	8015 NM	
890-9675-14	HA - 14	Total/NA	Solid	8015 NM	
890-9675-15	HA - 15	Total/NA	Solid	8015 NM	
890-9675-16	HA - 15	Total/NA	Solid	8015 NM	
890-9675-17	HA - 16	Total/NA	Solid	8015 NM	
890-9675-18	HA - 16	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

HPLC/IC

Leach Batch: 135554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-15	HA - 15	Soluble	Solid	DI Leach	
890-9675-16	HA - 15	Soluble	Solid	DI Leach	
890-9675-17	HA - 16	Soluble	Solid	DI Leach	
890-9675-18	HA - 16	Soluble	Solid	DI Leach	
MB 880-135554/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135554/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135554/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 135561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-1	HA - 8	Soluble	Solid	DI Leach	
890-9675-2	HA - 8	Soluble	Solid	DI Leach	
890-9675-3	HA - 9	Soluble	Solid	DI Leach	
890-9675-4	HA - 9	Soluble	Solid	DI Leach	
890-9675-5	HA - 10	Soluble	Solid	DI Leach	
890-9675-6	HA - 10	Soluble	Solid	DI Leach	
890-9675-7	HA - 11	Soluble	Solid	DI Leach	
890-9675-8	HA - 11	Soluble	Solid	DI Leach	
890-9675-9	HA - 12	Soluble	Solid	DI Leach	
890-9675-10	HA - 12	Soluble	Solid	DI Leach	
890-9675-11	HA - 13	Soluble	Solid	DI Leach	
890-9675-12	HA - 13	Soluble	Solid	DI Leach	
890-9675-13	HA - 14	Soluble	Solid	DI Leach	
890-9675-14	HA - 14	Soluble	Solid	DI Leach	
MB 880-135561/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135561/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135561/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9675-5 MS	HA - 10	Soluble	Solid	DI Leach	
890-9675-5 MSD	HA - 10	Soluble	Solid	DI Leach	

Analysis Batch: 135565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-15	HA - 15	Soluble	Solid	300.0	135554
890-9675-16	HA - 15	Soluble	Solid	300.0	135554
890-9675-17	HA - 16	Soluble	Solid	300.0	135554
890-9675-18	HA - 16	Soluble	Solid	300.0	135554
MB 880-135554/1-A	Method Blank	Soluble	Solid	300.0	135554
LCS 880-135554/2-A	Lab Control Sample	Soluble	Solid	300.0	135554
LCSD 880-135554/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135554

Analysis Batch: 135605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-1	HA - 8	Soluble	Solid	300.0	135561
890-9675-2	HA - 8	Soluble	Solid	300.0	135561
890-9675-3	HA - 9	Soluble	Solid	300.0	135561
890-9675-4	HA - 9	Soluble	Solid	300.0	135561
890-9675-5	HA - 10	Soluble	Solid	300.0	135561
890-9675-6	HA - 10	Soluble	Solid	300.0	135561
890-9675-7	HA - 11	Soluble	Solid	300.0	135561
890-9675-8	HA - 11	Soluble	Solid	300.0	135561
890-9675-9	HA - 12	Soluble	Solid	300.0	135561

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 135605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9675-10	HA - 12	Soluble	Solid	300.0	135561
890-9675-11	HA - 13	Soluble	Solid	300.0	135561
890-9675-12	HA - 13	Soluble	Solid	300.0	135561
890-9675-13	HA - 14	Soluble	Solid	300.0	135561
890-9675-14	HA - 14	Soluble	Solid	300.0	135561
MB 880-135561/1-A	Method Blank	Soluble	Solid	300.0	135561
LCS 880-135561/2-A	Lab Control Sample	Soluble	Solid	300.0	135561
LCSD 880-135561/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135561
890-9675-5 MS	HA - 10	Soluble	Solid	300.0	135561
890-9675-5 MSD	HA - 10	Soluble	Solid	300.0	135561

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 8

Lab Sample ID: 890-9675-1

Date Collected: 03/18/26 11:00

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 11:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 11:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 08:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 08:53	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 15:11	SMC	EET MID

Client Sample ID: HA - 8

Lab Sample ID: 890-9675-2

Date Collected: 03/18/26 11:10

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 11:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 09:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 09:14	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 15:16	SMC	EET MID

Client Sample ID: HA - 9

Lab Sample ID: 890-9675-3

Date Collected: 03/18/26 11:20

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 12:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 09:34	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 09:34	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 15:21	SMC	EET MID

Client Sample ID: HA - 9

Lab Sample ID: 890-9675-4

Date Collected: 03/18/26 11:25

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 12:29	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 9

Lab Sample ID: 890-9675-4

Date Collected: 03/18/26 11:25

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			136204	03/27/26 09:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 09:54	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135605	03/23/26 15:26	SMC	EET MID

Client Sample ID: HA - 10

Lab Sample ID: 890-9675-5

Date Collected: 03/18/26 11:35

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 12:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 10:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 10:14	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 15:32	SMC	EET MID

Client Sample ID: HA - 10

Lab Sample ID: 890-9675-6

Date Collected: 03/18/26 11:45

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 13:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 10:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135687	03/23/26 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136047	03/27/26 10:35	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 15:47	SMC	EET MID

Client Sample ID: HA - 11

Lab Sample ID: 890-9675-7

Date Collected: 03/18/26 12:00

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 13:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 04:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 04:14	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 11

Lab Sample ID: 890-9675-7

Date Collected: 03/18/26 12:00

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135605	03/23/26 15:53	SMC	EET MID

Client Sample ID: HA - 11

Lab Sample ID: 890-9675-8

Date Collected: 03/18/26 12:10

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 13:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 05:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 05:12	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135605	03/23/26 16:08	SMC	EET MID

Client Sample ID: HA - 12

Lab Sample ID: 890-9675-9

Date Collected: 03/18/26 12:30

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 16:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 16:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 05:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 05:31	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 16:14	SMC	EET MID

Client Sample ID: HA - 12

Lab Sample ID: 890-9675-10

Date Collected: 03/18/26 12:40

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 16:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 05:51	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 05:51	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 16:19	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOH 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 13

Lab Sample ID: 890-9675-11

Date Collected: 03/18/26 12:50

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 17:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 06:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 06:10	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 16:24	SMC	EET MID

Client Sample ID: HA - 13

Lab Sample ID: 890-9675-12

Date Collected: 03/18/26 01:00

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 17:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 06:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 06:30	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 16:29	SMC	EET MID

Client Sample ID: HA - 14

Lab Sample ID: 890-9675-13

Date Collected: 03/18/26 01:30

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 17:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 06:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 06:50	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 16:35	SMC	EET MID

Client Sample ID: HA - 14

Lab Sample ID: 890-9675-14

Date Collected: 03/18/26 01:40

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 18:10	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 14

Lab Sample ID: 890-9675-14

Date Collected: 03/18/26 01:40

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			136204	03/27/26 07:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 07:09	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135561	03/20/26 15:28	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135605	03/23/26 16:40	SMC	EET MID

Client Sample ID: HA - 15

Lab Sample ID: 890-9675-15

Date Collected: 03/18/26 01:50

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 18:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 07:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 07:28	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	135554	03/20/26 14:49	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135565	03/20/26 22:58	SMC	EET MID

Client Sample ID: HA - 15

Lab Sample ID: 890-9675-16

Date Collected: 03/18/26 02:00

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 18:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 07:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 07:49	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135554	03/20/26 14:49	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135565	03/20/26 23:04	SMC	EET MID

Client Sample ID: HA - 16

Lab Sample ID: 890-9675-17

Date Collected: 03/18/26 02:30

Matrix: Solid

Date Received: 03/19/26 11:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 19:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 08:27	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 08:27	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Client Sample ID: HA - 16
Date Collected: 03/18/26 02:30
Date Received: 03/19/26 11:26

Lab Sample ID: 890-9675-17
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	135554	03/20/26 14:49	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135565	03/20/26 23:11	SMC	EET MID

Client Sample ID: HA - 16
Date Collected: 03/18/26 02:40
Date Received: 03/19/26 11:26

Lab Sample ID: 890-9675-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	135874	03/25/26 11:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	135856	03/25/26 19:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			136008	03/25/26 19:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			136204	03/27/26 08:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135688	03/23/26 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	136052	03/27/26 08:46	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135554	03/20/26 14:49	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135565	03/20/26 23:18	SMC	EET MID

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

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: RIGHT MEOW 31 CTB 7

Job ID: 890-9675-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9675-1	HA - 8	Solid	03/18/26 11:00	03/19/26 11:26	0.5
890-9675-2	HA - 8	Solid	03/18/26 11:10	03/19/26 11:26	1.5R
890-9675-3	HA - 9	Solid	03/18/26 11:20	03/19/26 11:26	0.5
890-9675-4	HA - 9	Solid	03/18/26 11:25	03/19/26 11:26	2R
890-9675-5	HA - 10	Solid	03/18/26 11:35	03/19/26 11:26	0.5
890-9675-6	HA - 10	Solid	03/18/26 11:45	03/19/26 11:26	2R
890-9675-7	HA - 11	Solid	03/18/26 12:00	03/19/26 11:26	0.5
890-9675-8	HA - 11	Solid	03/18/26 12:10	03/19/26 11:26	1.5R
890-9675-9	HA - 12	Solid	03/18/26 12:30	03/19/26 11:26	0.5
890-9675-10	HA - 12	Solid	03/18/26 12:40	03/19/26 11:26	2R
890-9675-11	HA - 13	Solid	03/18/26 12:50	03/19/26 11:26	0.5
890-9675-12	HA - 13	Solid	03/18/26 01:00	03/19/26 11:26	2R
890-9675-13	HA - 14	Solid	03/18/26 01:30	03/19/26 11:26	0.5
890-9675-14	HA - 14	Solid	03/18/26 01:40	03/19/26 11:26	2R
890-9675-15	HA - 15	Solid	03/18/26 01:50	03/19/26 11:26	0.5
890-9675-16	HA - 15	Solid	03/18/26 02:00	03/19/26 11:26	2R
890-9675-17	HA - 16	Solid	03/18/26 02:30	03/19/26 11:26	0.5
890-9675-18	HA - 16	Solid	03/18/26 02:40	03/19/26 11:26	1R

Chain of Custody

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

Environment Testing
Xenco



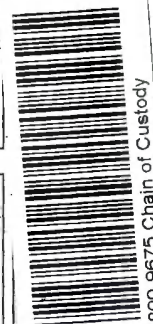
Work Order No: _____

www.xenco.com Page _____ of _____

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:	gmorano@earthsys.net

Project Name:	Right Meow 31 CTB 7	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	9259	Company Name:	Lea County, NM	Due Date:	
Project Location:	Lea County, NM	Address:		City, State ZIP:	
Sampler's Name:	Evan Braswell, Michael Benini	City, State ZIP:		City, State ZIP:	
CC/ WO #:	21688331	City, State ZIP:		City, State ZIP:	

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes (No)
	Samples Received Intact:	Yes No	Thermometer ID:	
	Cooler Custody Seals:	Yes No	Correction Factor:	
	Sample Custody Seals:	Yes No	Temperature Reading:	
Total Containers:		Corrected Temperature:		



890-9675 Chain of Custody

None:	NO	DI Water:	H ₂ O
Cool:	Cool	MeOH:	Me
HCL:	HC	HNO ₃ :	HN
H ₂ SO ₄ :	H ₂	NaOH:	Na
H ₃ PO ₄ :	HP		
NaHSO ₄ :	NABIS		
Na ₂ S ₂ O ₃ :	NaSO ₃		
Zn Acetate:	NaOH: Zn		
NaOH+Ascorbic Acid:	SAPC		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/ Anion	TCLP- Metals	TCLP- BTEX	TCLP- RCI	Hold	24 Hr Rush	Sample Comments
HA - 8	S	3/18/2026	11:00	0.5	Grab/	1	X	X	X	X	X							
HA - 8	S	3/18/2026	11:10	1.5R	Grab/	1	X	X	X	X	X							
HA - 9	S	3/18/2026	11:20	0.5	Grab/	1	X	X	X	X	X							
HA - 9	S	3/18/2026	11:25	2R	Grab/	1	X	X	X	X	X							
HA - 10	S	3/18/2026	11:35	0.5	Grab/	1	X	X	X	X	X							
HA - 10	S	3/18/2026	11:45	2R	Grab/	1	X	X	X	X	X							
HA - 11	S	3/18/2026	12:00	0.5	Grab/	1	X	X	X	X	X							
HA - 11	S	3/18/2026	12:10	1.5R	Grab/	1	X	X	X	X	X							
HA - 12	S	3/18/2026	12:30	0.5	Grab/	1	X	X	X	X	X							
HA - 12	S	3/18/2026	12:40	2R	Grab/	1	X	X	X	X	X							

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>		11:26 3/18			
3 <i>[Signature]</i>					
5					

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199



Environment Testing
Xenco

Work Order No: _____

www.xenco.com Page _____ of _____

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

Project Name:		Right Meow 31 CTB 7		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes											
Project Number:	9259	Project Location:	Lea County, NM	Due Date:	TAT starts the day received by the lab, if received by 4:30pm	Wet Ice:	Yes No	Temp Blank:	Yes No	Thermometer ID:	Yes No	Correction Factor:	Yes No	N/A	Temperature Reading:	Corrected Temperature:	Parameters	TPH-NM	Chloride-NM	BTEX-NM	TDS	Cation/ Anion	TCLP-Metals	TCLP-BTEX	TCLP-RCI	Hold	24 Hr Rush	Sample Comments	
HA - 13	S	3/18/2026	12:50	0.5	Grab/	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Incident Number
HA - 13	S	3/18/2026	1:00	2R	Grab/	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	nAPP2606434775
HA - 14	S	3/18/2026	1:30	0.5	Grab/	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
HA - 14	S	3/18/2026	1:40	2R	Grab/	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
HA - 15	S	3/18/2026	1:50	0.5	Grab/	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
HA - 15	S	3/18/2026	2:00	2R	Grab/	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
HA - 16	S	3/18/2026	2:30	0.5	Grab/	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
HA - 16	S	3/18/2026	2:40	1R	Grab/	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	1 <i>[Signature]</i>	11:26 3/29	2 <i>[Signature]</i>	2 <i>[Signature]</i>	
3 <i>[Signature]</i>	3 <i>[Signature]</i>	4	4 <i>[Signature]</i>	4 <i>[Signature]</i>	
5 <i>[Signature]</i>	5 <i>[Signature]</i>	6	6 <i>[Signature]</i>	6 <i>[Signature]</i>	

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab Pk:	Carrier Tracking Note:	COC No:									
Client Contact:		N/A	Teel, Brianna	N/A	890-6695-1									
Shipping/Receiving:		Phone:	E-Mail:	State of Origin:	Page:									
Eurofins Environment Testing South Cent		N/A	Brianna.Teel@eurofinsus.com	New Mexico	Page 1 of 2									
Address:		Due Date Requested:	Accreditations Required (See note):		Job #:									
1211 W. Florida Ave.		3/25/2026	NELAP - Texas		890-9675-1									
City:		TAT Requested (days):	Analysis Requested											
Midland		N/A												
State Zip:														
TX, 79701														
Phone:		PO #:												
432-704-5440(Tel)		N/A												
Email:		WO #:												
N/A		N/A												
Project Name:		Project #:												
RIGHT MEOW 31 CTB 7		88001228												
Site:		SSOW#:												
N/A		N/A												
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, S=Soil, O=Organic, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total BTEX_GCV	8015MOD_Calc	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
HA - 8 (890-9675-1)	3/18/26	11:00	G	Solid		X	X	X	X	X	X	X	1	
HA - 8 (890-9675-2)	3/18/26	11:10	G	Solid		X	X	X	X	X	X	X	1	
HA - 9 (890-9675-3)	3/18/26	11:20	G	Solid		X	X	X	X	X	X	X	1	
HA - 9 (890-9675-4)	3/18/26	11:25	G	Solid		X	X	X	X	X	X	X	1	
HA - 10 (890-9675-5)	3/18/26	11:35	G	Solid		X	X	X	X	X	X	X	1	
HA - 10 (890-9675-6)	3/18/26	11:45	G	Solid		X	X	X	X	X	X	X	1	
HA - 11 (890-9675-7)	3/18/26	12:00	G	Solid		X	X	X	X	X	X	X	1	
HA - 11 (890-9675-8)	3/18/26	12:10	G	Solid		X	X	X	X	X	X	X	1	
HA - 12 (890-9675-9)	3/18/26	12:30	G	Solid		X	X	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/test/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														
Deliverable Requested: I, II, III, IV, Other (specify)														
Primary Deliverable Rank: 2														
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)														
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months														
Empty Kit Relinquished by:														
Relinquished by: <i>Bauer</i> Date/Time: 3/19/1630 Company: Company														
Relinquished by: Date/Time: Company: Company														
Relinquished by: Date/Time: Company: Company														
Custody Seats Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:														
Δ Yes Δ No														

Eurofins Carlsbad
Chain of Custody Record



1089 N Canal St
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact:	N/A	Phone:	Teel, Brianna	N/A	890-6695.2
Shipping/Receiving:	N/A	E-Mail:	Brianna.Teel@eurofins.com	State of Origin:	Page 2 of 2
Eurofins Environment Testing South Cent		Accreditations Required (See note):		New Mexico	Job #:
Address: 1211 W. Florida Ave.		Due Date Requested:	NE LAP - Texas		890-9675-1
City: Midland	TAT Requested (days):	Analysis Requested		Preservation Codes:	
State zip: TX, 79701	N/A				
Phone: 432-704-5440(Tel)	PO #:				
Email: N/A	MO #:				
Project Name: RIGHT MEOW 31 CTB 7	Project #:				
Site: N/A	SSOW#:			Other: N/A	
Sample Identification - Client ID (Lab ID)					
HA - 12 (890-9675-10)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=soil, A=Air)	Field Filtered Sample (Yes or No)
HA - 13 (890-9675-11)	3/18/26	12:40	G	Solid	Perform MS/MSD (Yes or No)
HA - 13 (890-9675-12)	3/18/26	12:50	G	Solid	Total BTEX_GCV
HA - 14 (890-9675-13)	3/18/26	01:00	G	Solid	8015MOD_Calc
HA - 14 (890-9675-14)	3/18/26	01:30	G	Solid	8021B/5035FP_CalcBTEX
HA - 15 (890-9675-15)	3/18/26	01:40	G	Solid	300_ORGFM_28D/DI_LEACHChloride
HA - 15 (890-9675-16)	3/18/26	02:00	G	Solid	8015MOD_NM/8015NM_S_Prep8015 NM
HA - 16 (890-9675-17)	3/18/26	02:30	G	Solid	
HA - 16 (890-9675-18)	3/18/26	02:40	G	Solid	
					Total Number of containers
					Special Instructions/Note:
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify)					
Primary Deliverable Rank: 2					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months					
Special Instructions/OC Requirements:					
Empty Kit Relinquished by:					
Relinquished by: <i>[Signature]</i>		Date/Time: 3/19/16 30	Company:	Received by: <i>[Signature]</i>	Date/Time: 3/20/26 800
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

11-101107074

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9675-1

SDG Number: Lea County New Mexico

Login Number: 9675

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
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: 890-9675-1

SDG Number: Lea County New Mexico

Login Number: 9675

List Number: 2

Creator: Dyal, Erica

List Source: Eurofins Midland

List Creation: 03/20/26 09:47 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	



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
5114 WCR 128
Midland, Texas 79706

Generated 5/27/2026 1:18:47 PM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-9950-1

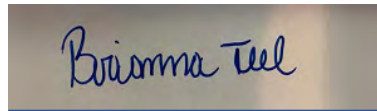
Eurofins Carlsbad

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
5/27/2026 1:18:47 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Laboratory Job ID: 890-9950-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	13
QC Sample Results	14
QC Association Summary	19
Lab Chronicle	22
Certification Summary	25
Method Summary	26
Sample Summary	27
Chain of Custody	28
Receipt Checklists	29

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: Right Meow 31 CTB 7

Job ID: 890-9950-1

Job ID: 890-9950-1

Eurofins Carlsbad

Job Narrative 890-9950-1

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 5/19/2026 8:40 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 -9.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-1 (890-9950-1), HA-1 (890-9950-2), HA-2 (890-9950-3), HA-2 (890-9950-4), HA-3 (890-9950-5), HA-3 (890-9950-6) and HA-3 (890-9950-7).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141446 and analytical batch 880-141671 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 880-141446 and analytical batch 880-141671 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA-3 (890-9950-6). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: HA-1 (890-9950-2). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-141197/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: HA-2 (890-9950-4). Evidence of matrix interferences is not obvious.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-141650 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-141650/140).

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

HPLC/IC

Method 300.0 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-141479 and analytical batch 880-141521 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.

Eurofins Carlsbad

Case Narrative

Client: Earth Systems Response and Restoration
Project: Right Meow 31 CTB 7

Job ID: 890-9950-1

Job ID: 890-9950-1 (Continued)

Eurofins Carlsbad

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

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9950-1

Date Collected: 05/18/26 10:21

Matrix: Solid

Date Received: 05/19/26 08:40

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 F1 F2	0.00200		mg/Kg		05/21/26 10:13	05/26/26 12:21	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		05/21/26 10:13	05/26/26 12:21	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		05/21/26 10:13	05/26/26 12:21	1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399		mg/Kg		05/21/26 10:13	05/26/26 12:21	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		05/21/26 10:13	05/26/26 12:21	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		05/21/26 10:13	05/26/26 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/21/26 10:13	05/26/26 12:21	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/21/26 10:13	05/26/26 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			05/26/26 12:21	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			05/22/26 09:02	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		05/19/26 09:30	05/22/26 09:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 09:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	05/19/26 09:30	05/22/26 09:02	1
o-Terphenyl	117		70 - 130	05/19/26 09:30	05/22/26 09:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4490		50.0		mg/Kg			05/22/26 19:36	5

Client Sample ID: HA-1

Lab Sample ID: 890-9950-2

Date Collected: 05/18/26 10:25

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 1R

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		05/21/26 10:13	05/26/26 12:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/26 10:13	05/26/26 12:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/26 10:13	05/26/26 12:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/26 10:13	05/26/26 12:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/26 10:13	05/26/26 12:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/26 10:13	05/26/26 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/21/26 10:13	05/26/26 12:42	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9950-2

Date Collected: 05/18/26 10:25

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 1R

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	82		70 - 130	05/21/26 10:13	05/26/26 12:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/26/26 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	<49.8	U	49.8		mg/Kg			05/22/26 09:23	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		05/19/26 09:30	05/22/26 09:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/19/26 09:30	05/22/26 09:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/19/26 09:30	05/22/26 09:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				05/19/26 09:30	05/22/26 09:23	1
o-Terphenyl	76		70 - 130				05/19/26 09:30	05/22/26 09:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2060	F1	49.6		mg/Kg			05/22/26 19:41	5

Client Sample ID: HA-2

Lab Sample ID: 890-9950-3

Date Collected: 05/18/26 10:33

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/21/26 10:13	05/26/26 13:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/21/26 10:13	05/26/26 13:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/21/26 10:13	05/26/26 13:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/21/26 10:13	05/26/26 13:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/21/26 10:13	05/26/26 13:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/21/26 10:13	05/26/26 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/21/26 10:13	05/26/26 13:02	1
1,4-Difluorobenzene (Surr)	80		70 - 130	05/21/26 10:13	05/26/26 13:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/26/26 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	<50.1	U	50.1		mg/Kg			05/22/26 09:43	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-2

Lab Sample ID: 890-9950-3

Date Collected: 05/18/26 10:33

Matrix: Solid

Date Received: 05/19/26 08:40

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	<50.1	U	50.1		mg/Kg		05/19/26 09:30	05/22/26 09:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/19/26 09:30	05/22/26 09:43	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/19/26 09:30	05/22/26 09:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/19/26 09:30	05/22/26 09:43	1
o-Terphenyl	111		70 - 130				05/19/26 09:30	05/22/26 09:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5300		50.5		mg/Kg			05/22/26 19:56	5

Client Sample ID: HA-2

Lab Sample ID: 890-9950-4

Date Collected: 05/18/26 10:37

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 1R

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		05/21/26 10:13	05/26/26 13:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/21/26 10:13	05/26/26 13:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/21/26 10:13	05/26/26 13:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/21/26 10:13	05/26/26 13:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/21/26 10:13	05/26/26 13:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/21/26 10:13	05/26/26 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				05/21/26 10:13	05/26/26 13:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/21/26 10:13	05/26/26 13:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/26/26 13:23	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			05/23/26 20:11	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		05/19/26 10:46	05/23/26 20:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 20:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				05/19/26 10:46	05/23/26 20:11	1
o-Terphenyl	132	S1+	70 - 130				05/19/26 10:46	05/23/26 20:11	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-2

Lab Sample ID: 890-9950-4

Date Collected: 05/18/26 10:37

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 1R

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3100		50.3		mg/Kg			05/22/26 20:01	5

Client Sample ID: HA-3

Lab Sample ID: 890-9950-5

Date Collected: 05/18/26 10:47

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/21/26 10:13	05/26/26 13:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/21/26 10:13	05/26/26 13:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/21/26 10:13	05/26/26 13:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/21/26 10:13	05/26/26 13:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/21/26 10:13	05/26/26 13:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/21/26 10:13	05/26/26 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/21/26 10:13	05/26/26 13:43	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/21/26 10:13	05/26/26 13:43	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			05/26/26 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 21:41	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	<50.1	U	50.1		mg/Kg		05/19/26 10:46	05/23/26 21:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/19/26 10:46	05/23/26 21:41	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/19/26 10:46	05/23/26 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				05/19/26 10:46	05/23/26 21:41	1
o-Terphenyl	93		70 - 130				05/19/26 10:46	05/23/26 21:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		9.98		mg/Kg			05/22/26 20:17	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-3

Lab Sample ID: 890-9950-6

Date Collected: 05/18/26 10:49

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/21/26 10:13	05/26/26 14:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/26 10:13	05/26/26 14:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/26 10:13	05/26/26 14:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/21/26 10:13	05/26/26 14:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/26 10:13	05/26/26 14:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/21/26 10:13	05/26/26 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	05/21/26 10:13	05/26/26 14:04	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/21/26 10:13	05/26/26 14:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/26/26 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/23/26 21:56	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	<50.1	U	50.1		mg/Kg		05/19/26 10:46	05/23/26 21:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/19/26 10:46	05/23/26 21:56	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/19/26 10:46	05/23/26 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	05/19/26 10:46	05/23/26 21:56	1
o-Terphenyl	88		70 - 130	05/19/26 10:46	05/23/26 21:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		9.90		mg/Kg			05/22/26 20:22	1

Client Sample ID: HA-3

Lab Sample ID: 890-9950-7

Date Collected: 05/18/26 10:53

Matrix: Solid

Date Received: 05/19/26 08:40

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		05/21/26 10:13	05/26/26 14:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/21/26 10:13	05/26/26 14:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/21/26 10:13	05/26/26 14:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/21/26 10:13	05/26/26 14:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/21/26 10:13	05/26/26 14:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/21/26 10:13	05/26/26 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/21/26 10:13	05/26/26 14:24	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-3

Lab Sample ID: 890-9950-7

Date Collected: 05/18/26 10:53

Matrix: Solid

Date Received: 05/19/26 08:40

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	83		70 - 130	05/21/26 10:13	05/26/26 14:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/26/26 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/23/26 22:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/19/26 10:46	05/23/26 22:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/26 10:46	05/23/26 22:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/26 10:46	05/23/26 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/19/26 10:46	05/23/26 22:12	1
o-Terphenyl	90		70 - 130				05/19/26 10:46	05/23/26 22:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		9.94		mg/Kg			05/22/26 20:27	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9950-1	HA-1	107	88
890-9950-1 MS	HA-1	122	94
890-9950-1 MSD	HA-1	122	92
890-9950-2	HA-1	115	82
890-9950-3	HA-2	100	80
890-9950-4	HA-2	129	100
890-9950-5	HA-3	108	87
890-9950-6	HA-3	134 S1+	92
890-9950-7	HA-3	108	83
LCS 880-141446/1-A	Lab Control Sample	82	115
LCSD 880-141446/2-A	Lab Control Sample Dup	95	108
MB 880-141446/5-A	Method Blank	230 S1+	122
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)
890-9950-1	HA-1	103	117
890-9950-2	HA-1	66 S1-	76
890-9950-3	HA-2	98	111
890-9950-4	HA-2	75	132 S1+
890-9950-4 MS	HA-2	95	109
890-9950-4 MSD	HA-2	88	98
890-9950-5	HA-3	78	93
890-9950-6	HA-3	77	88
890-9950-7	HA-3	89	90
LCS 880-141176/2-A	Lab Control Sample	101	104
LCS 880-141197/2-A	Lab Control Sample	113	127
LCSD 880-141176/3-A	Lab Control Sample Dup	117	119
LCSD 880-141197/3-A	Lab Control Sample Dup	113	130
MB 880-141176/1-A	Method Blank	92	104
MB 880-141197/1-A	Method Blank	125	133 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-141446/5-A

Matrix: Solid

Analysis Batch: 141671

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141446

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/21/26 10:13	05/26/26 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/21/26 10:13	05/26/26 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/21/26 10:13	05/26/26 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/21/26 10:13	05/26/26 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/21/26 10:13	05/26/26 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/21/26 10:13	05/26/26 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	230	S1+	70 - 130	05/21/26 10:13	05/26/26 11:52	1
1,4-Difluorobenzene (Surr)	122		70 - 130	05/21/26 10:13	05/26/26 11:52	1

Lab Sample ID: LCS 880-141446/1-A

Matrix: Solid

Analysis Batch: 141671

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09706		mg/Kg		97	70 - 130
Toluene	0.100	0.08028		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.08503		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1714		mg/Kg		86	70 - 130
o-Xylene	0.100	0.09692		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-141446/2-A

Matrix: Solid

Analysis Batch: 141671

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141446

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09495		mg/Kg		95	70 - 130	2	35
Toluene	0.100	0.08494		mg/Kg		85	70 - 130	6	35
Ethylbenzene	0.100	0.09325		mg/Kg		93	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1824		mg/Kg		91	70 - 130	6	35
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-9950-1 MS

Matrix: Solid

Analysis Batch: 141671

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 141446

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.002582	F1	mg/Kg		3	70 - 130
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

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

Lab Sample ID: 890-9950-1 MS

Matrix: Solid

Analysis Batch: 141671

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 141446

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1 F2	0.100	<0.00200	U F1	mg/Kg		2	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.004311	F1	mg/Kg		2	70 - 130
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-9950-1 MSD

Matrix: Solid

Analysis Batch: 141671

Client Sample ID: HA-1

Prep Type: Total/NA

Prep Batch: 141446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.07762	F2	mg/Kg		78	70 - 130	187	35
Toluene	<0.00200	U F1	0.100	0.06267	F1	mg/Kg		63	70 - 130	NC	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.06679	F1 F2	mg/Kg		67	70 - 130	191	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.1360	F1 F2	mg/Kg		68	70 - 130	188	35
o-Xylene	<0.00200	U F1	0.100	0.08181		mg/Kg		82	70 - 130	NC	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-141176/1-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141176

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		05/19/26 09:30	05/22/26 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 09:30	05/22/26 01:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	05/19/26 09:30	05/22/26 01:11	1
o-Terphenyl	104		70 - 130	05/19/26 09:30	05/22/26 01:11	1

Lab Sample ID: LCS 880-141176/2-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	974.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1053		mg/Kg		105	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-141176/2-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141176

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-141176/3-A

Matrix: Solid

Analysis Batch: 141513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1254		mg/Kg		125	70 - 130	17	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: MB 880-141197/1-A

Matrix: Solid

Analysis Batch: 141650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 141197

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		05/19/26 10:46	05/23/26 19:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 19:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/26 10:46	05/23/26 19:10	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				05/19/26 10:46	05/23/26 19:10	1
1-Chlorooctane	125		70 - 130				05/19/26 10:46	05/23/26 19:10	1
o-Terphenyl	133	S1+	70 - 130				05/19/26 10:46	05/23/26 19:10	1

Lab Sample ID: LCS 880-141197/2-A

Matrix: Solid

Analysis Batch: 141650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 141197

	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	945.5		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	127		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-141197/3-A

Matrix: Solid

Analysis Batch: 141650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 141197

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	936.4		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	130		70 - 130						

Lab Sample ID: 890-9950-4 MS

Matrix: Solid

Analysis Batch: 141650

Client Sample ID: HA-2

Prep Type: Total/NA

Prep Batch: 141197

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	839.5		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	960.4		mg/Kg		96	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: 890-9950-4 MSD

Matrix: Solid

Analysis Batch: 141650

Client Sample ID: HA-2

Prep Type: Total/NA

Prep Batch: 141197

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	804.4		mg/Kg		79	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	854.9		mg/Kg		85	70 - 130	12	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	98		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-141479/1-A

Matrix: Solid

Analysis Batch: 141521

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			05/22/26 18:13	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-141479/2-A

Matrix: Solid

Analysis Batch: 141521

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-141479/3-A

Matrix: Solid

Analysis Batch: 141521

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	250.0		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-9950-2 MS

Matrix: Solid

Analysis Batch: 141521

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	2060	F1	1240	3989	F1	mg/Kg		156	90 - 110

Lab Sample ID: 890-9950-2 MSD

Matrix: Solid

Analysis Batch: 141521

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	2060	F1	1240	3976	F1	mg/Kg		155	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

GC VOA

Prep Batch: 141446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-1	HA-1	Total/NA	Solid	5035	
890-9950-2	HA-1	Total/NA	Solid	5035	
890-9950-3	HA-2	Total/NA	Solid	5035	
890-9950-4	HA-2	Total/NA	Solid	5035	
890-9950-5	HA-3	Total/NA	Solid	5035	
890-9950-6	HA-3	Total/NA	Solid	5035	
890-9950-7	HA-3	Total/NA	Solid	5035	
MB 880-141446/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-141446/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-141446/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9950-1 MS	HA-1	Total/NA	Solid	5035	
890-9950-1 MSD	HA-1	Total/NA	Solid	5035	

Analysis Batch: 141671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-1	HA-1	Total/NA	Solid	8021B	141446
890-9950-2	HA-1	Total/NA	Solid	8021B	141446
890-9950-3	HA-2	Total/NA	Solid	8021B	141446
890-9950-4	HA-2	Total/NA	Solid	8021B	141446
890-9950-5	HA-3	Total/NA	Solid	8021B	141446
890-9950-6	HA-3	Total/NA	Solid	8021B	141446
890-9950-7	HA-3	Total/NA	Solid	8021B	141446
MB 880-141446/5-A	Method Blank	Total/NA	Solid	8021B	141446
LCS 880-141446/1-A	Lab Control Sample	Total/NA	Solid	8021B	141446
LCSD 880-141446/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	141446
890-9950-1 MS	HA-1	Total/NA	Solid	8021B	141446
890-9950-1 MSD	HA-1	Total/NA	Solid	8021B	141446

Analysis Batch: 141856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-1	HA-1	Total/NA	Solid	Total BTEX	
890-9950-2	HA-1	Total/NA	Solid	Total BTEX	
890-9950-3	HA-2	Total/NA	Solid	Total BTEX	
890-9950-4	HA-2	Total/NA	Solid	Total BTEX	
890-9950-5	HA-3	Total/NA	Solid	Total BTEX	
890-9950-6	HA-3	Total/NA	Solid	Total BTEX	
890-9950-7	HA-3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 141176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-1	HA-1	Total/NA	Solid	8015NM Prep	
890-9950-2	HA-1	Total/NA	Solid	8015NM Prep	
890-9950-3	HA-2	Total/NA	Solid	8015NM Prep	
MB 880-141176/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141176/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 141197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-4	HA-2	Total/NA	Solid	8015NM Prep	
890-9950-5	HA-3	Total/NA	Solid	8015NM Prep	
890-9950-6	HA-3	Total/NA	Solid	8015NM Prep	
890-9950-7	HA-3	Total/NA	Solid	8015NM Prep	
MB 880-141197/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-141197/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-141197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9950-4 MS	HA-2	Total/NA	Solid	8015NM Prep	
890-9950-4 MSD	HA-2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 141513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-1	HA-1	Total/NA	Solid	8015B NM	141176
890-9950-2	HA-1	Total/NA	Solid	8015B NM	141176
890-9950-3	HA-2	Total/NA	Solid	8015B NM	141176
MB 880-141176/1-A	Method Blank	Total/NA	Solid	8015B NM	141176
LCS 880-141176/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141176
LCSD 880-141176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141176

Analysis Batch: 141609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-1	HA-1	Total/NA	Solid	8015 NM	
890-9950-2	HA-1	Total/NA	Solid	8015 NM	
890-9950-3	HA-2	Total/NA	Solid	8015 NM	
890-9950-4	HA-2	Total/NA	Solid	8015 NM	
890-9950-5	HA-3	Total/NA	Solid	8015 NM	
890-9950-6	HA-3	Total/NA	Solid	8015 NM	
890-9950-7	HA-3	Total/NA	Solid	8015 NM	

Analysis Batch: 141650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-4	HA-2	Total/NA	Solid	8015B NM	141197
890-9950-5	HA-3	Total/NA	Solid	8015B NM	141197
890-9950-6	HA-3	Total/NA	Solid	8015B NM	141197
890-9950-7	HA-3	Total/NA	Solid	8015B NM	141197
MB 880-141197/1-A	Method Blank	Total/NA	Solid	8015B NM	141197
LCS 880-141197/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	141197
LCSD 880-141197/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	141197
890-9950-4 MS	HA-2	Total/NA	Solid	8015B NM	141197
890-9950-4 MSD	HA-2	Total/NA	Solid	8015B NM	141197

HPLC/IC

Leach Batch: 141479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-1	HA-1	Soluble	Solid	DI Leach	
890-9950-2	HA-1	Soluble	Solid	DI Leach	
890-9950-3	HA-2	Soluble	Solid	DI Leach	
890-9950-4	HA-2	Soluble	Solid	DI Leach	
890-9950-5	HA-3	Soluble	Solid	DI Leach	
890-9950-6	HA-3	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 141479 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-7	HA-3	Soluble	Solid	DI Leach	
MB 880-141479/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9950-2 MS	HA-1	Soluble	Solid	DI Leach	
890-9950-2 MSD	HA-1	Soluble	Solid	DI Leach	

Analysis Batch: 141521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9950-1	HA-1	Soluble	Solid	300.0	141479
890-9950-2	HA-1	Soluble	Solid	300.0	141479
890-9950-3	HA-2	Soluble	Solid	300.0	141479
890-9950-4	HA-2	Soluble	Solid	300.0	141479
890-9950-5	HA-3	Soluble	Solid	300.0	141479
890-9950-6	HA-3	Soluble	Solid	300.0	141479
890-9950-7	HA-3	Soluble	Solid	300.0	141479
MB 880-141479/1-A	Method Blank	Soluble	Solid	300.0	141479
LCS 880-141479/2-A	Lab Control Sample	Soluble	Solid	300.0	141479
LCSD 880-141479/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	141479
890-9950-2 MS	HA-1	Soluble	Solid	300.0	141479
890-9950-2 MSD	HA-1	Soluble	Solid	300.0	141479

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-9950-1

Date Collected: 05/18/26 10:21

Matrix: Solid

Date Received: 05/19/26 08:40

Prep 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	141446	05/21/26 10:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141671	05/26/26 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141856	05/26/26 12:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			141609	05/22/26 09:02	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 09:02	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 19:36	CS	EET MID

Client Sample ID: HA-1

Lab Sample ID: 890-9950-2

Date Collected: 05/18/26 10:25

Matrix: Solid

Date Received: 05/19/26 08:40

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	141446	05/21/26 10:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141671	05/26/26 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141856	05/26/26 12:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			141609	05/22/26 09:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 09:23	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 19:41	CS	EET MID

Client Sample ID: HA-2

Lab Sample ID: 890-9950-3

Date Collected: 05/18/26 10:33

Matrix: Solid

Date Received: 05/19/26 08:40

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	141446	05/21/26 10:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141671	05/26/26 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141856	05/26/26 13:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			141609	05/22/26 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141176	05/19/26 09:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141513	05/22/26 09:43	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 19:56	CS	EET MID

Client Sample ID: HA-2

Lab Sample ID: 890-9950-4

Date Collected: 05/18/26 10:37

Matrix: Solid

Date Received: 05/19/26 08:40

Prep 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	141446	05/21/26 10:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141671	05/26/26 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141856	05/26/26 13:23	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-2

Lab Sample ID: 890-9950-4

Date Collected: 05/18/26 10:37

Matrix: Solid

Date Received: 05/19/26 08:40

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			141609	05/23/26 20:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	141197	05/19/26 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 20:11	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	141521	05/22/26 20:01	CS	EET MID

Client Sample ID: HA-3

Lab Sample ID: 890-9950-5

Date Collected: 05/18/26 10:47

Matrix: Solid

Date Received: 05/19/26 08:40

Prep 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	141446	05/21/26 10:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141671	05/26/26 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141856	05/26/26 13:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			141609	05/23/26 21:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	141197	05/19/26 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 21:41	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 20:17	CS	EET MID

Client Sample ID: HA-3

Lab Sample ID: 890-9950-6

Date Collected: 05/18/26 10:49

Matrix: Solid

Date Received: 05/19/26 08:40

Prep 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	141446	05/21/26 10:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141671	05/26/26 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141856	05/26/26 14:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			141609	05/23/26 21:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	141197	05/19/26 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 21:56	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 20:22	CS	EET MID

Client Sample ID: HA-3

Lab Sample ID: 890-9950-7

Date Collected: 05/18/26 10:53

Matrix: Solid

Date Received: 05/19/26 08:40

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	141446	05/21/26 10:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	141671	05/26/26 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			141856	05/26/26 14:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			141609	05/23/26 22:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	141197	05/19/26 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	141650	05/23/26 22:12	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Client Sample ID: HA-3
Date Collected: 05/18/26 10:53
Date Received: 05/19/26 08:40

Lab Sample ID: 890-9950-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	141479	05/21/26 13:51	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	141521	05/22/26 20:27	CS	EET MID

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

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Right Meow 31 CTB 7

Job ID: 890-9950-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9950-1	HA-1	Solid	05/18/26 10:21	05/19/26 08:40	0.5
890-9950-2	HA-1	Solid	05/18/26 10:25	05/19/26 08:40	1R
890-9950-3	HA-2	Solid	05/18/26 10:33	05/19/26 08:40	0.5
890-9950-4	HA-2	Solid	05/18/26 10:37	05/19/26 08:40	1R
890-9950-5	HA-3	Solid	05/18/26 10:47	05/19/26 08:40	0.5
890-9950-6	HA-3	Solid	05/18/26 10:49	05/19/26 08:40	1
890-9950-7	HA-3	Solid	05/18/26 10:53	05/19/26 08:40	2

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

Chain of Custody

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

Environment Testing
Xenco



890-9950 Chain of Custody

Page 1 of 1

Work Order Comments	
Program: ☐ US7/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

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, michael.benini@earthsys.net

[illegible][illegible]

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.	Michele Pina	[Signature]	8:00 5/9 ²			
3.						

Revised Date: 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9950-1

SDG Number: Lea County, NM

Login Number: 9950

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: 890-9950-1

SDG Number: Lea County, NM

Login Number: 9950

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 05/20/26 10:41 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 621168

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 621168
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2606434775
Incident Name	NAPP2606434775 RIGHT MEOW 31 CTB 7 @ FAPP2125751032
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2125751032] RIGHT MEOW 31 CTB 7

Location of Release Source*Please answer all the questions in this group.*

Site Name	RIGHT MEOW 31 CTB 7
Date Release Discovered	03/04/2026
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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 65 BBL Recovered: 40 BBL Lost: 25 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)	Leaking ball valve allowed fluids to impact pad surface, impacts confined to wellpad.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 621168

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 621168
	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@dvni.com Date: 09/03/2026
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 621168

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 621168
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	10800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	05/10/2026
On what date will (or did) the final sampling or liner inspection occur	05/18/2026
On what date will (or was) the remediation complete(d)	06/03/2026
What is the estimated surface area (in square feet) that will be reclaimed	2400
What is the estimated volume (in cubic yards) that will be reclaimed	40
What is the estimated surface area (in square feet) that will be remediated	5000
What is the estimated volume (in cubic yards) that will be remediated	120

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 621168

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 621168
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND 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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 09/03/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 621168

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 621168
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 621168

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 621168
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	585109
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/18/2026
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	4527

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5000
What was the total volume (cubic yards) remediated	120
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	2400
What was the total volume (in cubic yards) reclaimed	40
Summarize any additional remediation activities not included by answers (above)	Site Remediated
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/03/2026

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 621168

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 621168
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

Action 621168

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 621168
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure approved.	9/8/2026
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	9/8/2026
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	9/8/2026
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	9/8/2026
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	9/8/2026
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	9/8/2026