August 4, 2025

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

RE: **Right Meow 31 CTB 7 - Closure Request Report**
Incident Number: nAPP2500627175
GPS: 32.26553°, -103.71086°
Lea County, New Mexico
ESRR Project No. VP-21525/ 2777

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Devon Energy (Devon), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling events associated with an inadvertent release of produced water at the 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 & Incident Description

The Site is located in Unit B, Section 31, Township 23 South, Range 32 East, in Eddy County, New Mexico (32.26553°, -103.71086°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1**).

On December 29, 2024, a 2-inch clamp developed a leak, causing the release of approximately 5 barrels (bbl) of produced water onto a Devon production pad surface with no recovery of fluids. ESRR conducted initial site assessment activities and mapped the observed release footprint on January 8, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). Devon gave notice to the New Mexico Oil Conservation Division (NMOCD) on January 6, 2025, by Notification of Release (NOR) and by Corrective Action Form C-141 (Form C-141) on January 14, 2025. The incident was subsequently assigned Incident Number nAPP2500627175.

Site Characterization

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

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

- Between 1 and 5 miles of any wetland;
- Greater than 5 miles of any subsurface mine;
- Greater than 5 miles of any unstable area (i.e. Critical Karst, High Karst, Medium Karst Potential); and
- Greater than 5 miles of a 100-year floodplain.

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

Based on the results from the desktop review and depth to water estimated to be greater than 55 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
Gasoline Range Organics (GRO) + Diesel Range Organics (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.*
Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Delineation Activities

On February 6, 2025, ESRR conducted initial delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Six delineation boreholes (HA-1 through HA-6) were advanced via hand auger within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. A minimum of two soil samples were collected from each delineation borehole, representing the highest observed field screening concentrations and the greatest depth. Delineation soil samples were placed directly into pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities is attached.

Laboratory analytical results for soil samples collected surrounding the AOC (HA-3 through HA-6) were compliant with Site Closure Criteria and/ or the reclamation standard defining the horizontal periphery of the AOC up to ½-foot bgs.

Laboratory analytical results for samples collected within the AOC (HA-1 through HA-2) indicated Chloride was above the Site Closure Criteria up to 1 feet bgs and above reclamation standards up to 4 feet bgs. Elevated Chloride concentrations were characterized by concentrations ranging from 14,200 mg/kg to 17,600 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.

On May 5, 2025, ESRR conducted additional delineation activities via mechanical equipment to further advance delineation soil sample locations HA-3 through HA-6 with the addition of HA-7 and HA-8 to confirm the defined horizontal periphery up to 4 feet bgs.

Laboratory analytical results for soil samples collected surrounding the AOC (HA-3 through HA-8) were compliant with Site Closure Criteria and/ or the reclamation standard defining the horizontal periphery of the AOC up to 4 feet bgs.

Remediation Activities

From July 7 through 10, 2025, ESRR oversaw excavation activities of identified impacts, performed via hand digging, based on laboratory analytical results associated with delineation soil sampling activities and visual observation. The excavation was vertically advanced to a depth of approximately 1-foot bgs.

Following the removal of soil, ESRR collected 5-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-2) and sidewalls (SW-1 through SW-2). The 5-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. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all final confirmation soil samples are shown in **Figure 3**.

Approximately 12 cubic yards (CY) of impacted soil was removed from the Site and transported to Lea Land, LLC in Hobbs, New Mexico under Devon approved manifests. Upon receipt of the final confirmation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to “as close to its original state” as possible. The final soil cover was contoured to match the Site’s pre-existing grade to prevent ponding of water and erosion.

Closure Request

Based on laboratory analytical results, impacts associated with the inadvertent release have been delineated, excavated to the maximum extent practical, and removed from the Site in accordance with Site Closure Criteria. Due to the active status of the production pad, the top 4 feet bgs of the AOC is not accessible to undergo complete reclamation in which the primary purpose is to reestablish vegetation. With depth to groundwater estimated to be greater than 55 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.

Devon will reassess the Site during plugging and abandonment or major facility deconstruction activities and address soil concentrations above the reclamation requirements of 100 mg/kg TPH and 600 mg/kg chloride (**Figure 4**). 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 Number nAPP2500627175.

If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or gmoreno@earthsys.net. **Documentation and Correspondence** notifications and **Executed Chain-of-Custody Forms and Laboratory Analytical Reports** are attached.

Sincerely,

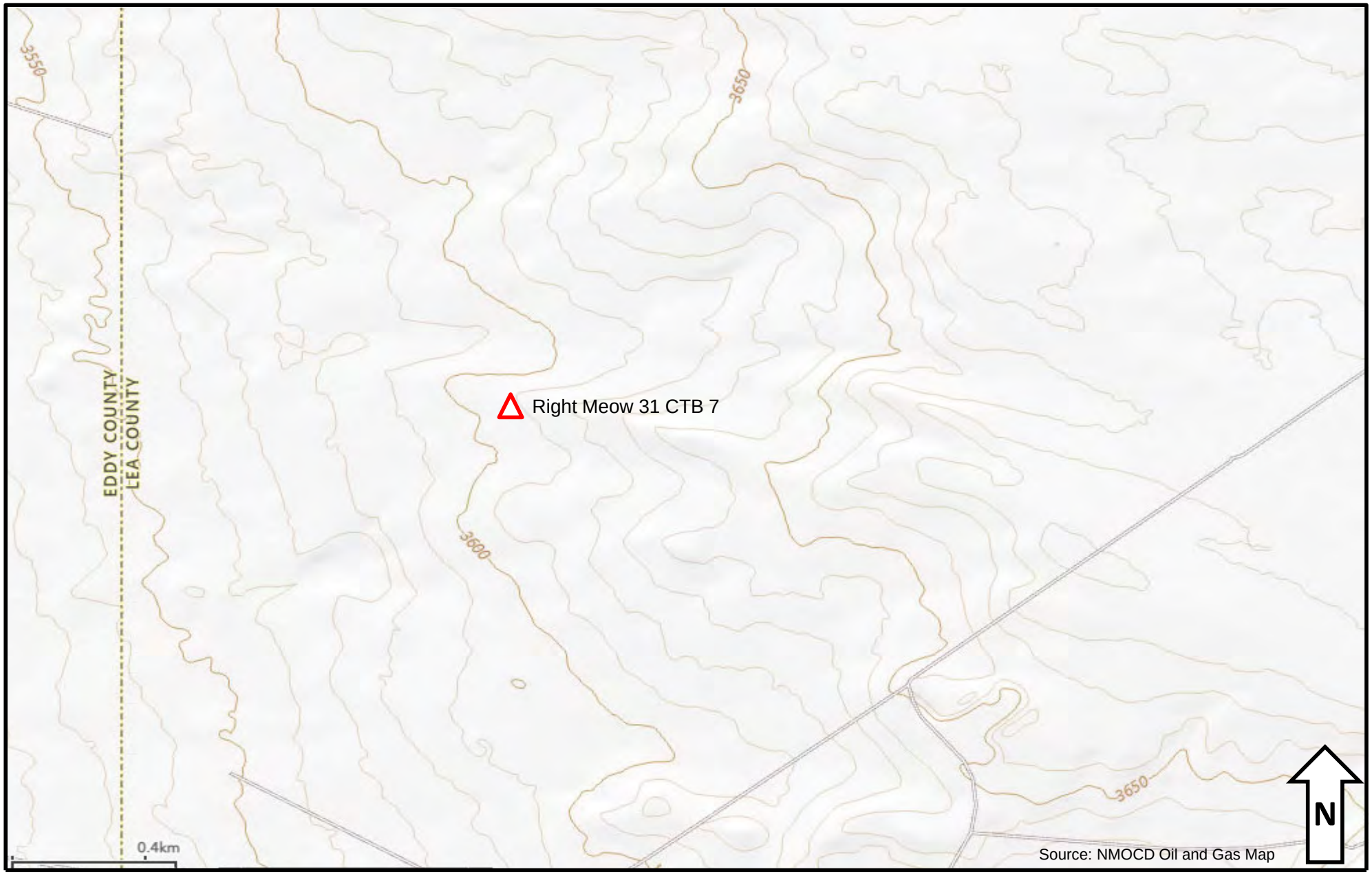
EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

Kris Williams, CHMM, REM
Principal

cc: Jim Raley, WPX Energy Permian, LLC
Bureau of Land Management

Attachments:
- Figure 1 - Site Map
- Figure 1A - Ground Water
- Figure 1B - Karst Potential
- Figure 2 - Delineation Soil Sample Locations
- Figure 3 - Excavation Soil Sample Locations
- Figure 4 - Future Restoration Areas
- Referenced Well Records
- Photographic Documentation
- Table 1 - Soil Sample Analytical Results
- NMOCD Email Documentation & Correspondance
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports

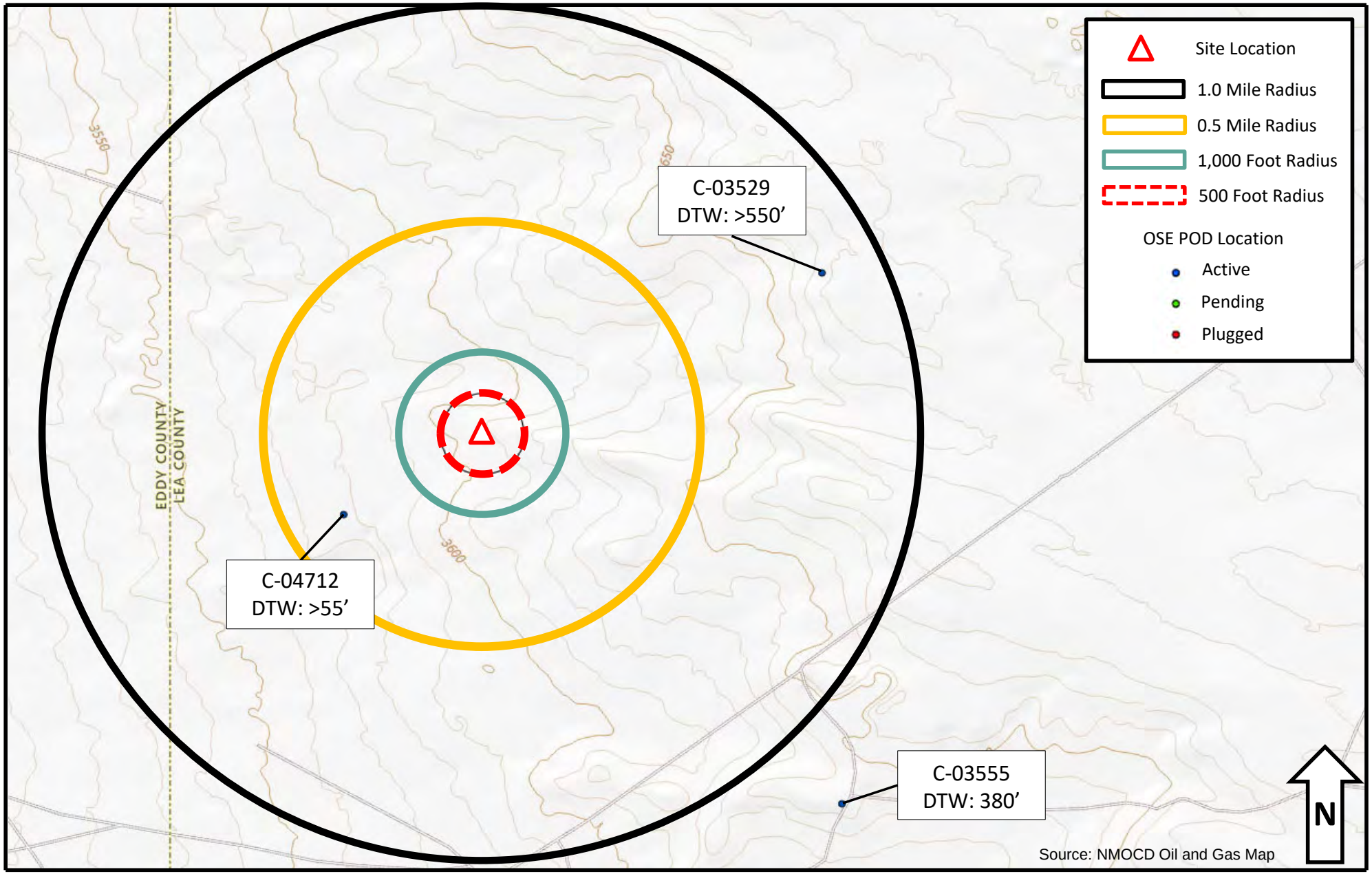


Earth Systems
Response & Restoration

Figure 1 – Site Map

Devon Energy Permian – Right Meow 31 CTB 7
GPS: 32.26553,-103.71086
Lea County, New Mexico

devon
WPXENERGY

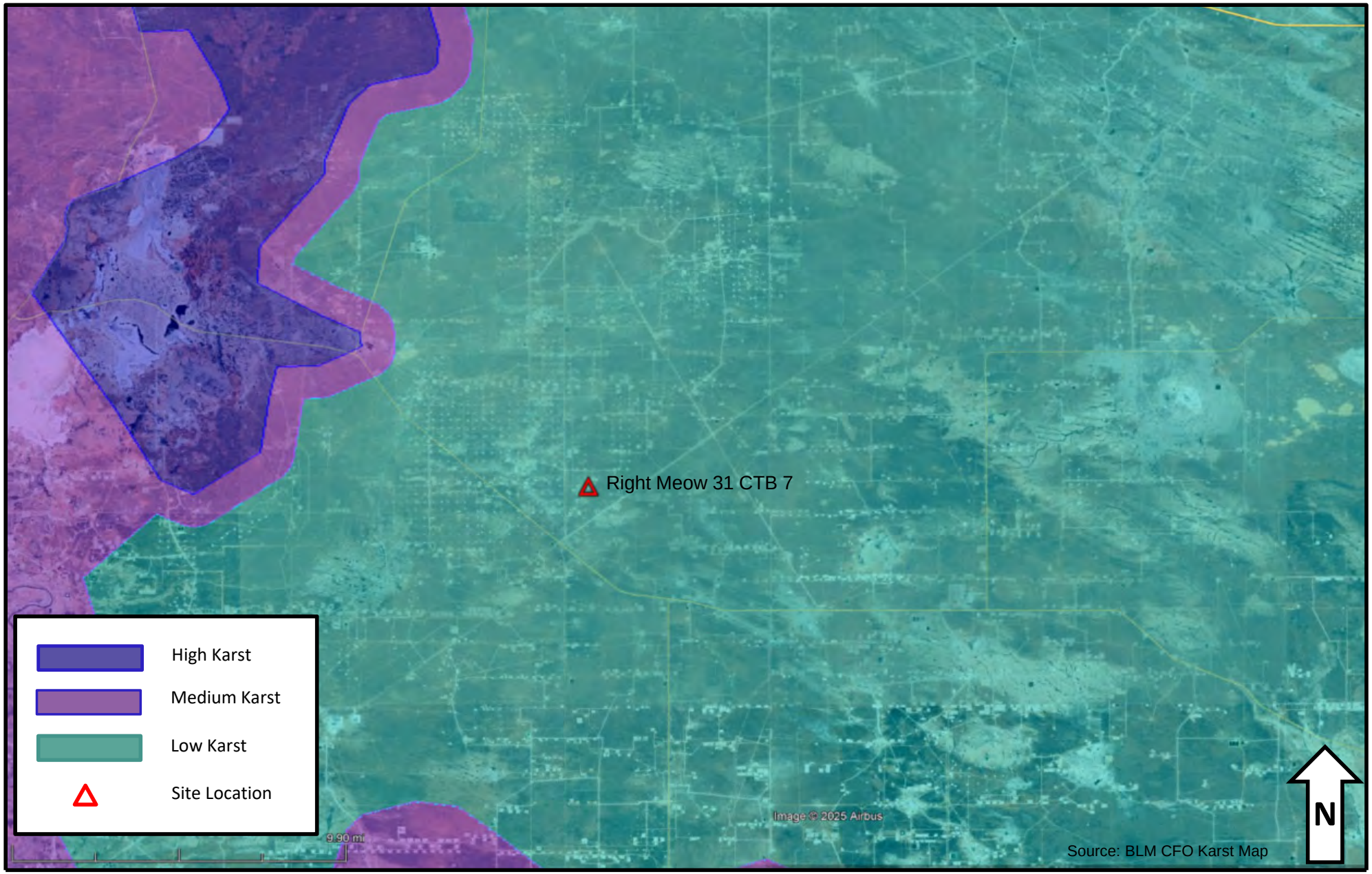


Earth Systems Response & Restoration

Figure 1A – Ground Water

Devon Energy Permian – Right Meow 31 CTB 7
GPS: 32.26553,-103.71086
Lea County, New Mexico

devon WPXENERGY



Earth Systems
Response & Restoration

Figure 1B – Karst Potential

Devon Energy Permian – Right Meow 31 CTB 7
GPS: 32.26553,-103.71086
Lea County, New Mexico

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WPXENERGY

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Figure 2 – Delineation Soil Sample Locations

Devon Energy Permian – Right Meow 31 CTB 7
GPS: 32.26553,-103.71086
Lea County, New Mexico

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Figure 3 – Excavation Soil Sample Locations

Devon Energy Permian – Right Meow 31 CTB 7
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Lea County, New Mexico

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Figure 4 – Future Restoration Areas

Devon Energy Permian – Right Meow 31 CTB 7
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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: NM ZIP: 88202

WELL LOCATION (FROM GPS)

	DEGREES	MINUTES	SECONDS	
LATITUDE	32	15	46.1	N
LONGITUDE	-103	42	58.4	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1833	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
Mar 9, 2023	3/9/23	55	55	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	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	45	6	2" pvc sch 40	Thread	2"	Sch 40	—
45	55	6	2" pvc sch 40	Tread	2"	Sch 40	.02

OSE DIT APR 6 2023 PM 1:22

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			None Pulled And Plugged		

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

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	20	20	White Caliche	Y (N)	
20	45	25	Brown fine Sand	Y (N)	
45	55	10	Red sandy Caliche	Y (N)	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): Dry

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

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

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

JMaley Jason Maley 3/24/23

SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE

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 Non 23.32.31.141		WELL TAG ID NO. —	PAGE 2 OF 2

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,

Maret Thompson
(575)622-6521

drywell

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2500627175
GPS: 32.26553°, -103.71086°

PHOTO 1: Northwestern view during initial site assessment. 01/08/2025

PHOTO 2: Northeastern view during initial site assessment. 01/08/2025

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2500627175
GPS: 32.26553°, -103.71086°

PHOTO 3: Northwestern view during delineation activities. 02/06/2025

PHOTO 4: Northwestern view during delineation activities. 02/06/2025

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2500627175
GPS: 32.26553°, -103.71086°

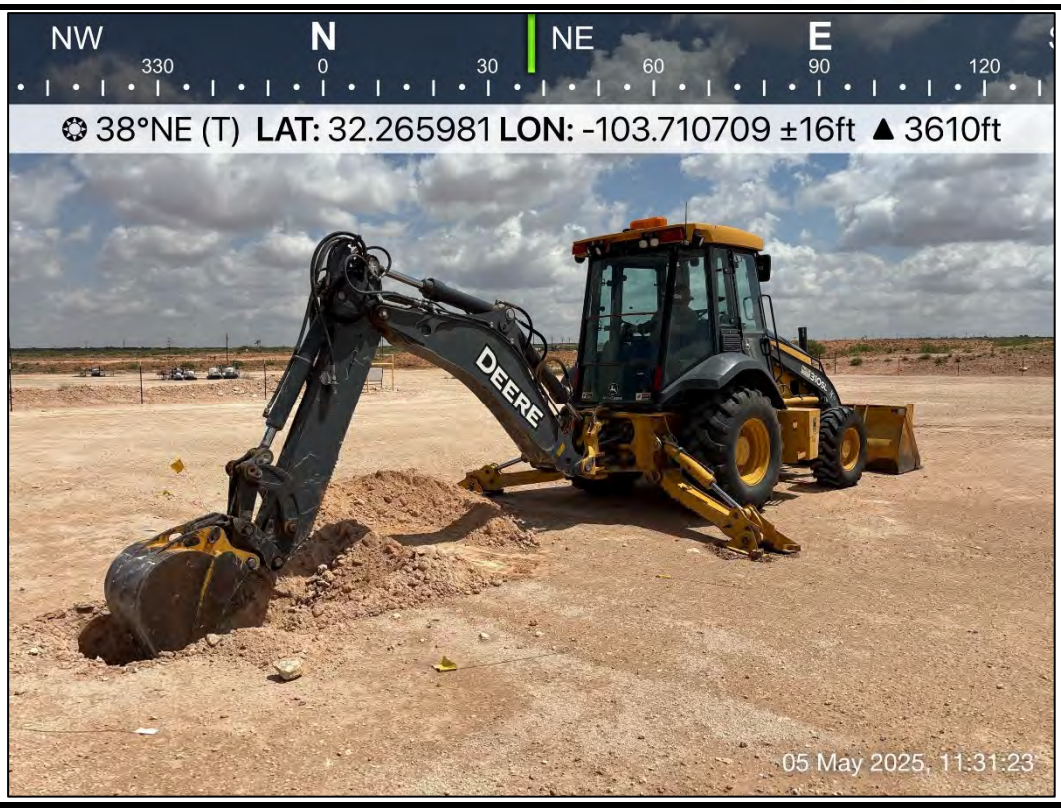


PHOTO 5: Northeastern view during delineation activities. 05/05/2025

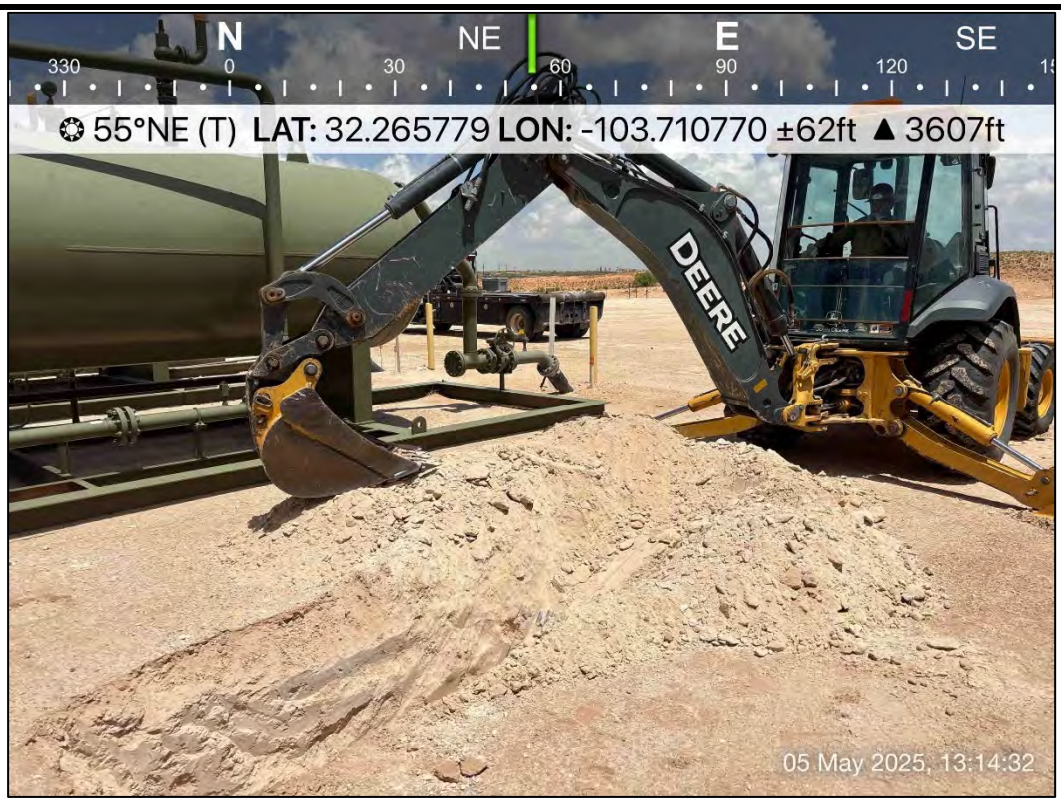


PHOTO 6: Northeastern view during delineation activities. 05/05/2025

PHOTO 7: Northwestern view of excavation extent. 07/10/2025

PHOTO 8: Northeastern view of excavation extent. 07/10/2025

Right Meow 31 CTB 7 - Closure Request Report
Incident Number: nAPP2500627175
GPS: 32.26553°, -103.71086°

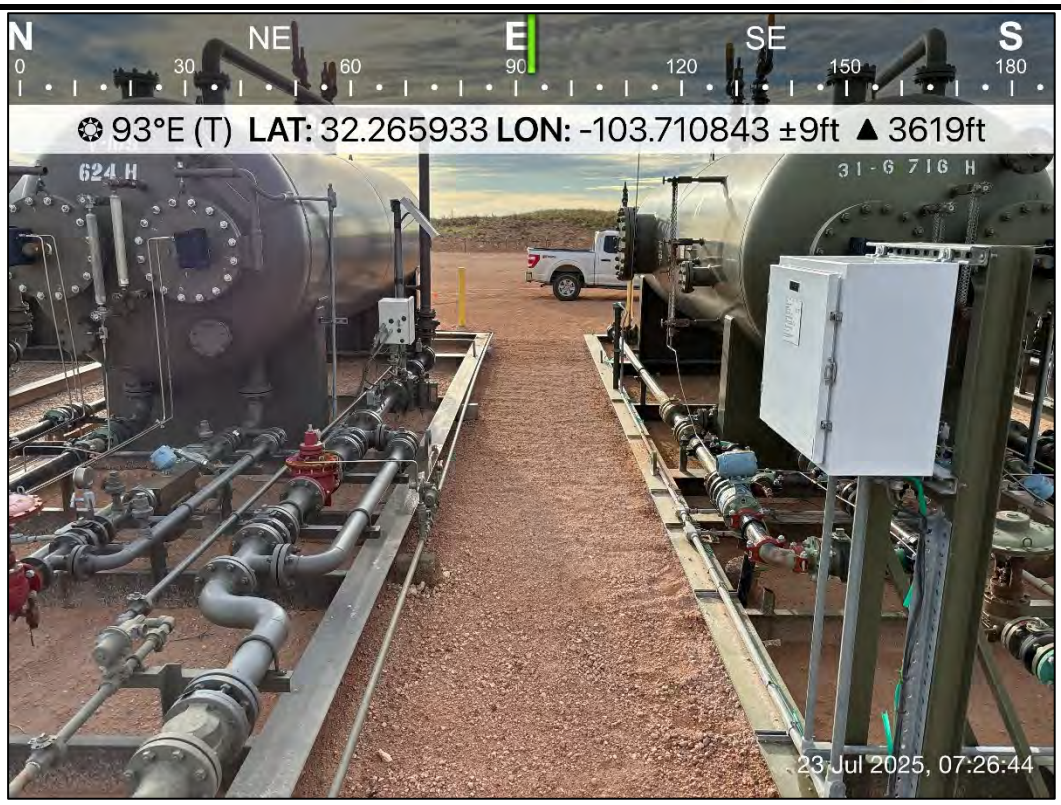


PHOTO 9: Eastern view following restoration activities. 7/23/2025

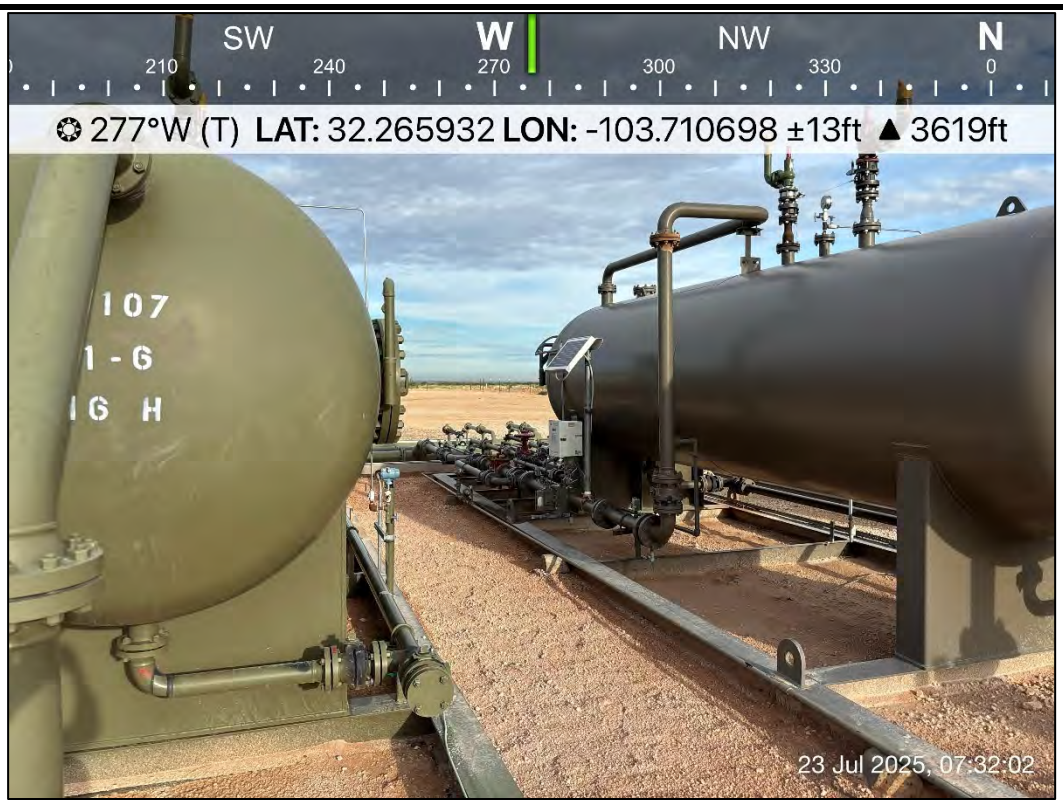


PHOTO 10: Western view following restoration activities. 7/23/2025

Earth Systems
Response & Restoration

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

devon WPXENERGY

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	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 - nAPP2500627175										
HA-1	02/06/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	**14,200**
HA-1	02/06/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	1,990
HA-1	02/06/25	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	76.9
HA-2	02/06/25	0.5	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	**17,600**
HA-2	02/06/25	2	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	2,680
HA-2	02/06/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	3,390
HA-3	02/06/25	0.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	91.9
HA-3	05/05/25	2	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	245
HA-3	05/05/25	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	475
HA-4	02/06/25	0.5	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	21.9
HA-4	05/05/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	271
HA-4	05/05/25	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	183
HA-5	02/06/25	0.5	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	47.5
HA-5	05/05/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	115
HA-5	05/05/25	4	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	84.2
HA-6	02/06/25	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	34.3
HA-6	05/05/25	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	254
HA-6	05/05/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	442
HA-7	05/05/25	0.5	<0.00199	0.0101	<50.0	<50.0	<50.0	<50.0	<50.0	192
HA-7	05/05/25	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	119
HA-7	05/05/25	4	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	118
HA-8	05/05/25	0.5	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	480
HA-8	05/05/25	2	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	482
HA-8	05/05/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	385

Earth Systems
Response & Restoration

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

devon WPXENERGY

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	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 - nAPP2500627175										
CS - 1	07/10/25	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	2,560
CS - 2	07/10/25	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	2,440
SW - 1	07/10/25	0-1	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	742
SW - 2	07/10/25	0-1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	796

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 for Soils Impacted by a Release
Concentrations highlighted exceed the Reclamation Standard‡ but are below the NMOCD Table I Closure Criteria for Soils Impacted by a Release
‡The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

Outlook

Re: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2500627175

From Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Date Mon 6/30/2025 2:11 PM
To Gilbert Moreno <gmoreno@earthsys.net>
Cc jim.raley@dvn.com <jim.raley@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Gilbert,

Thank you for the additional information.

Your 90-day time extension is denied, but due to what was mentioned in your last email regarding the remediation method to be used, your time extension is approved for 60-days. Remediation Due date has been updated to August 29, 2025.

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

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

Regards,

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

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Monday, June 30, 2025 10:55 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: jim.raley@dvn.com <jim.raley@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>;

Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2500627175

Thanks for the quick response.

See attached PDF. Hope this will help with your evaluation.

PDF Includes:

- Figures
- Site Characterization estimates
- Table
- Field Photos

Part of the reasoning for the additional extension that I did not think to include is Devon's safety encroachment guidelines for remediation of the soil impacts near above ground equipment (separators).

Mechanical equipment was required to assist with the additional delineation in May 2025 due to the well consolidated soil conditions. For this reason, Devon has had to determine options for remediating the hard soil conditions by means of hand digging or hydro-excavation. No further delineation is required at the moment, rather additional time to remediate impacted soil and for ESRR to complete a subsequent corrective action closure report.

Please let me know if you have any other question or concerns.

Regards,

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

Earth Systems
Response & Restoration

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Monday, June 30, 2025 9:52 AM
To: Gilbert Moreno <gmoreno@earthsys.net>
Cc: jim.raley@dvn.com <jim.raley@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2500627175

Good morning Gilbert,

Thank you for the correspondence. This is the same reasoning used in the first extension granted on March 31, 2025. The release volume was only 5 bbls, so I don't have any data for the delineation activities or site characterization. Please provide OCD with what work you have conducted to date. Afterward, I will evaluate and make my determination toward your request. Thank you.

Regards,

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

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Monday, June 30, 2025 9:04 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 - nAPP2500627175

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, June 30, 2025 8:58 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>
Subject: [EXTERNAL] Right Meow 31 CTB 7 - Extension Request - nAPP2500627175

Hello,

Earth Sytems R & R (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).

A produced water release was discovered on December 29th, 2024, and was subsequently assigned Incident Number nAPP2500627175. Initial delineation activities were completed by ESRR during February 2025 with additional delineation completed May 2025. Remediation activities are anticipated to begin July 2025.

Devon requests an extension of the June 30th, 2025, deadline for the release associated with Incident Number nAPP2500627175, to allow additional time for scheduling and completion of remediation activities, and for ESRR to complete a subsequent corrective action closure report.

Thanks,

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

Earth Systems
Response & Restoration

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 482175

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 482175
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500627175**
Incident Name	**NAPP2500627175 RIGHT MEOW 31 CTB 7 @ 0**
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	**12/29/2024**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	330
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	07/10/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.26553,-103.71086

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 482175

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 482175
	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.	7/7/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	7/7/2025

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/11/2025 10:45:10 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-7646-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

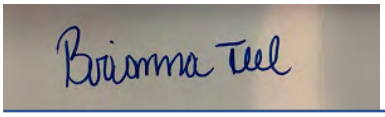
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
2/11/2025 10:45:10 AM

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

Table of Contents

Definitions/Glossary

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

Job ID: 890-7646-1
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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-7646-1
Project: Right Meow 31 CTB 7

Job ID: 890-7646-1 Eurofins Carlsbad

Job Narrative
890-7646-1

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

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

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

Receipt
The samples were received on 2/7/2025 11:59 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 2.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-1 (890-7646-1), HA-1 (890-7646-2), HA-1 (890-7646-3), HA-2 (890-7646-4), HA-2 (890-7646-5) and HA-2 (890-7646-6).

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-1 (890-7646-1), HA-2 (890-7646-6), (LCS 880-102351/2-A), (890-7644-A-13-C), (890-7644-A-13-D MS) and (890-7644-A-13-E MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102339 and analytical batch 880-102373 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

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

Job ID: 890-7646-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-7646-1
Matrix: Solid
Date Collected: 02/06/25 13:00
Date Received: 02/07/25 11:59
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/07/25 15:48	02/10/25 17:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/07/25 15:48	02/10/25 17:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/07/25 15:48	02/10/25 17:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/07/25 15:48	02/10/25 17:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/07/25 15:48	02/10/25 17:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/07/25 15:48	02/10/25 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/07/25 15:48*	*02/10/25 17:52*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/07/25 15:48*	*02/10/25 17:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/25 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/10/25 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 19:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 19:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*02/09/25 21:25*	*02/10/25 19:20*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*02/09/25 21:25*	*02/10/25 19:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14200**		198		mg/Kg			02/10/25 20:46	20

Client Sample ID: HA-1

Lab Sample ID: 890-7646-2
Matrix: Solid
Date Collected: 02/06/25 13:05
Date Received: 02/07/25 11:59
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		02/07/25 15:48	02/10/25 18:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/07/25 15:48	02/10/25 18:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/07/25 15:48	02/10/25 18:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/07/25 15:48	02/10/25 18:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/07/25 15:48	02/10/25 18:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/07/25 15:48	02/10/25 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/07/25 15:48*	*02/10/25 18:12*	*1*

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-7646-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-7646-2
Matrix: Solid

Date Collected: 02/06/25 13:05
Date Received: 02/07/25 11:59
Sample Depth: 2

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/07/25 15:48*	*02/10/25 18:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/25 18:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/10/25 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 19:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 19:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*02/09/25 21:25*	*02/10/25 19:41*	*1*
o-Terphenyl	*72*		*70 - 130*	*02/09/25 21:25*	*02/10/25 19:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1990**		50.1		mg/Kg			02/10/25 20:52	5

Client Sample ID: HA-1

Lab Sample ID: 890-7646-3
Matrix: Solid

Date Collected: 02/06/25 13:10
Date Received: 02/07/25 11:59
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 18:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 18:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 18:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/07/25 15:48	02/10/25 18:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 18:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/07/25 15:48	02/10/25 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/07/25 15:48*	*02/10/25 18:33*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/07/25 15:48*	*02/10/25 18:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/25 18:33	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			02/10/25 20:01	1

Client Sample Results

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

Job ID: 890-7646-1
SDG: Lea County, NM

Client Sample ID: HA-1

Lab Sample ID: 890-7646-3
Matrix: Solid
Date Collected: 02/06/25 13:10
Date Received: 02/07/25 11:59
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 20:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 20:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/09/25 21:25*	*02/10/25 20:01*	*1*
o-Terphenyl	*73*		*70 - 130*	*02/09/25 21:25*	*02/10/25 20:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.9**		10.0		mg/Kg			02/10/25 20:58	1

Client Sample ID: HA-2

Lab Sample ID: 890-7646-4
Matrix: Solid
Date Collected: 02/06/25 13:15
Date Received: 02/07/25 11:59
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		02/07/25 15:48	02/10/25 18:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:48	02/10/25 18:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:48	02/10/25 18:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/07/25 15:48	02/10/25 18:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:48	02/10/25 18:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/07/25 15:48	02/10/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/07/25 15:48*	*02/10/25 18:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/07/25 15:48*	*02/10/25 18:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/25 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/10/25 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/09/25 21:25	02/10/25 20:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/09/25 21:25	02/10/25 20:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/09/25 21:25	02/10/25 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*02/09/25 21:25*	*02/10/25 20:21*	*1*
o-Terphenyl	*76*		*70 - 130*	*02/09/25 21:25*	*02/10/25 20:21*	*1*

Client Sample Results

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

Job ID: 890-7646-1
SDG: Lea County, NM

Client Sample ID: HA-2
Lab Sample ID: 890-7646-4
Date Collected: 02/06/25 13:15
Matrix: Solid
Date Received: 02/07/25 11:59
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17600**		201		mg/Kg			02/10/25 21:04	20

Client Sample ID: HA-2
Lab Sample ID: 890-7646-5
Date Collected: 02/06/25 13:20
Matrix: Solid
Date Received: 02/07/25 11:59
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		02/07/25 15:48	02/10/25 19:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 19:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 19:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/07/25 15:48	02/10/25 19:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 19:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/07/25 15:48	02/10/25 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/07/25 15:48*	*02/10/25 19:14*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/07/25 15:48*	*02/10/25 19:14*	*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			02/10/25 19:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/10/25 20:42	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	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 20:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 20:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*02/09/25 21:25*	*02/10/25 20:42*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/09/25 21:25*	*02/10/25 20:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2680**	**F1**	49.9		mg/Kg			02/10/25 21:10	5

Client Sample Results

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

Job ID: 890-7646-1
SDG: Lea County, NM

Client Sample ID: HA-2

Date Collected: 02/06/25 13:25
Date Received: 02/07/25 11:59
Sample Depth: 4

Lab Sample ID: 890-7646-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:48	02/10/25 19:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:48	02/10/25 19:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:48	02/10/25 19:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/07/25 15:48	02/10/25 19:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:48	02/10/25 19:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/07/25 15:48	02/10/25 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/07/25 15:48*	*02/10/25 19:34*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/07/25 15:48*	*02/10/25 19:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/25 19:34	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			02/10/25 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		02/09/25 21:25	02/10/25 21:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 21:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/25 21:25	02/10/25 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*02/09/25 21:25*	*02/10/25 21:03*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*02/09/25 21:25*	*02/10/25 21:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3390**		50.4		mg/Kg			02/10/25 21:28	5

Surrogate Summary

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

Job ID: 890-7646-1
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)
890-7646-1	HA-1	100	103
890-7646-2	HA-1	100	105
890-7646-3	HA-1	106	104
890-7646-4	HA-2	120	102
890-7646-5	HA-2	99	102
890-7646-6	HA-2	106	100
LCS 880-102327/1-A	Lab Control Sample	96	107
LCSD 880-102327/2-A	Lab Control Sample Dup	98	106
MB 880-102327/5-A	Method Blank	92	91

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)
890-7646-1	HA-1	64 S1-	66 S1-
890-7646-2	HA-1	70	72
890-7646-3	HA-1	71	73
890-7646-4	HA-2	74	76
890-7646-5	HA-2	78	77
890-7646-6	HA-2	67 S1-	67 S1-
LCS 880-102351/2-A	Lab Control Sample	69 S1-	66 S1-
LCSD 880-102351/3-A	Lab Control Sample Dup	77	75
MB 880-102351/1-A	Method Blank	75	82

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: 890-7646-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102327/5-A
Matrix: Solid
Analysis Batch: 102362

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102327

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/07/25 15:48	02/10/25 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:48	02/10/25 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/07/25 15:48	02/10/25 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/07/25 15:48*	*02/10/25 11:30*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/07/25 15:48*	*02/10/25 11:30*	*1*

Lab Sample ID: LCS 880-102327/1-A
Matrix: Solid
Analysis Batch: 102362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102327

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1119		mg/Kg		112	70 - 130		
Toluene			0.100	0.1175		mg/Kg		117	70 - 130		
Ethylbenzene			0.100	0.1138		mg/Kg		114	70 - 130		
m-Xylene & p-Xylene			0.200	0.2173		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1120		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-102327/2-A
Matrix: Solid
Analysis Batch: 102362

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102327

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1126		mg/Kg		113	70 - 130	1	35
Toluene			0.100	0.1188		mg/Kg		119	70 - 130	1	35
Ethylbenzene			0.100	0.1108		mg/Kg		111	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2085		mg/Kg		104	70 - 130	4	35
o-Xylene			0.100	0.1086		mg/Kg		109	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

QC Sample Results

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

Job ID: 890-7646-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-102351/1-A
Matrix: Solid
Analysis Batch: 102365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102351

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		02/09/25 21:25	02/10/25 08:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/25 21:25	02/10/25 08:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/25 21:25	02/10/25 08:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*02/09/25 21:25*	*02/10/25 08:48*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/09/25 21:25*	*02/10/25 08:48*	*1*

Lab Sample ID: LCS 880-102351/2-A
Matrix: Solid
Analysis Batch: 102365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102351

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	829.2		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	824.6		mg/Kg		82	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*69*	*S1-*	*70 - 130*
o-Terphenyl	*66*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-102351/3-A
Matrix: Solid
Analysis Batch: 102365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102351

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	947.0		mg/Kg		95	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	883.2		mg/Kg		88	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102339/1-A
Matrix: Solid
Analysis Batch: 102373

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			02/10/25 19:26	1

QC Sample Results

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

Job ID: 890-7646-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A
Matrix: Solid
Analysis Batch: 102373

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	268.4		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-102339/3-A
Matrix: Solid
Analysis Batch: 102373

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	268.8		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 890-7646-5 MS
Matrix: Solid
Analysis Batch: 102373

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	2680	F1	1250	4244	F1	mg/Kg		126	90 - 110		

Lab Sample ID: 890-7646-5 MSD
Matrix: Solid
Analysis Batch: 102373

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	2680	F1	1250	4246	F1	mg/Kg		126	90 - 110	0	20

QC Association Summary

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

Job ID: 890-7646-1
SDG: Lea County, NM

GC VOA

Prep Batch: 102327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-1	HA-1	Total/NA	Solid	5035	
890-7646-2	HA-1	Total/NA	Solid	5035	
890-7646-3	HA-1	Total/NA	Solid	5035	
890-7646-4	HA-2	Total/NA	Solid	5035	
890-7646-5	HA-2	Total/NA	Solid	5035	
890-7646-6	HA-2	Total/NA	Solid	5035	
MB 880-102327/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102327/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102327/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 102362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-1	HA-1	Total/NA	Solid	8021B	102327
890-7646-2	HA-1	Total/NA	Solid	8021B	102327
890-7646-3	HA-1	Total/NA	Solid	8021B	102327
890-7646-4	HA-2	Total/NA	Solid	8021B	102327
890-7646-5	HA-2	Total/NA	Solid	8021B	102327
890-7646-6	HA-2	Total/NA	Solid	8021B	102327
MB 880-102327/5-A	Method Blank	Total/NA	Solid	8021B	102327
LCS 880-102327/1-A	Lab Control Sample	Total/NA	Solid	8021B	102327
LCSD 880-102327/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102327

Analysis Batch: 102488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-1	HA-1	Total/NA	Solid	Total BTEX	
890-7646-2	HA-1	Total/NA	Solid	Total BTEX	
890-7646-3	HA-1	Total/NA	Solid	Total BTEX	
890-7646-4	HA-2	Total/NA	Solid	Total BTEX	
890-7646-5	HA-2	Total/NA	Solid	Total BTEX	
890-7646-6	HA-2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 102351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-1	HA-1	Total/NA	Solid	8015NM Prep	
890-7646-2	HA-1	Total/NA	Solid	8015NM Prep	
890-7646-3	HA-1	Total/NA	Solid	8015NM Prep	
890-7646-4	HA-2	Total/NA	Solid	8015NM Prep	
890-7646-5	HA-2	Total/NA	Solid	8015NM Prep	
890-7646-6	HA-2	Total/NA	Solid	8015NM Prep	
MB 880-102351/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102351/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102351/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-1	HA-1	Total/NA	Solid	8015B NM	102351
890-7646-2	HA-1	Total/NA	Solid	8015B NM	102351
890-7646-3	HA-1	Total/NA	Solid	8015B NM	102351
890-7646-4	HA-2	Total/NA	Solid	8015B NM	102351

QC Association Summary

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

Job ID: 890-7646-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 102365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-5	HA-2	Total/NA	Solid	8015B NM	102351
890-7646-6	HA-2	Total/NA	Solid	8015B NM	102351
MB 880-102351/1-A	Method Blank	Total/NA	Solid	8015B NM	102351
LCS 880-102351/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102351
LCSD 880-102351/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102351

Analysis Batch: 102466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-1	HA-1	Total/NA	Solid	8015 NM	
890-7646-2	HA-1	Total/NA	Solid	8015 NM	
890-7646-3	HA-1	Total/NA	Solid	8015 NM	
890-7646-4	HA-2	Total/NA	Solid	8015 NM	
890-7646-5	HA-2	Total/NA	Solid	8015 NM	
890-7646-6	HA-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-1	HA-1	Soluble	Solid	DI Leach	
890-7646-2	HA-1	Soluble	Solid	DI Leach	
890-7646-3	HA-1	Soluble	Solid	DI Leach	
890-7646-4	HA-2	Soluble	Solid	DI Leach	
890-7646-5	HA-2	Soluble	Solid	DI Leach	
890-7646-6	HA-2	Soluble	Solid	DI Leach	
MB 880-102339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7646-5 MS	HA-2	Soluble	Solid	DI Leach	
890-7646-5 MSD	HA-2	Soluble	Solid	DI Leach	

Analysis Batch: 102373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7646-1	HA-1	Soluble	Solid	300.0	102339
890-7646-2	HA-1	Soluble	Solid	300.0	102339
890-7646-3	HA-1	Soluble	Solid	300.0	102339
890-7646-4	HA-2	Soluble	Solid	300.0	102339
890-7646-5	HA-2	Soluble	Solid	300.0	102339
890-7646-6	HA-2	Soluble	Solid	300.0	102339
MB 880-102339/1-A	Method Blank	Soluble	Solid	300.0	102339
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	300.0	102339
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102339
890-7646-5 MS	HA-2	Soluble	Solid	300.0	102339
890-7646-5 MSD	HA-2	Soluble	Solid	300.0	102339

Lab Chronicle

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

Job ID: 890-7646-1
SDG: Lea County, NM

Client Sample ID: HA-1
Date Collected: 02/06/25 13:00
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7646-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102488	02/10/25 17:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102466	02/10/25 19:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102351	02/09/25 21:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 19:20	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	102373	02/10/25 20:46	CH	EET MID

Client Sample ID: HA-1
Date Collected: 02/06/25 13:05
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7646-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102488	02/10/25 18:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102466	02/10/25 19:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102351	02/09/25 21:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 19:41	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	102373	02/10/25 20:52	CH	EET MID

Client Sample ID: HA-1
Date Collected: 02/06/25 13:10
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7646-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102488	02/10/25 18:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102466	02/10/25 20:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102351	02/09/25 21:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 20:01	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102373	02/10/25 20:58	CH	EET MID

Client Sample ID: HA-2
Date Collected: 02/06/25 13:15
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7646-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102488	02/10/25 18:54	AJ	EET MID

Lab Chronicle

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

Job ID: 890-7646-1
SDG: Lea County, NM

Client Sample ID: HA-2
Date Collected: 02/06/25 13:15
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7646-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			102466	02/10/25 20:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102351	02/09/25 21:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 20:21	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	102373	02/10/25 21:04	CH	EET MID

Client Sample ID: HA-2
Date Collected: 02/06/25 13:20
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7646-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102488	02/10/25 19:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102466	02/10/25 20:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102351	02/09/25 21:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 20:42	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	102373	02/10/25 21:10	CH	EET MID

Client Sample ID: HA-2
Date Collected: 02/06/25 13:25
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7646-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	102327	02/07/25 15:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102362	02/10/25 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102488	02/10/25 19:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102466	02/10/25 21:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102351	02/09/25 21:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 21:03	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	102373	02/10/25 21:28	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-7646-1
Project/Site: Right Meow 31 CTB 7
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	06-30-25

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

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

Method Summary

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

Job ID: 890-7646-1
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: 890-7646-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7646-1	HA-1	Solid	02/06/25 13:00	02/07/25 11:59	0.5
890-7646-2	HA-1	Solid	02/06/25 13:05	02/07/25 11:59	2
890-7646-3	HA-1	Solid	02/06/25 13:10	02/07/25 11:59	4
890-7646-4	HA-2	Solid	02/06/25 13:15	02/07/25 11:59	0.5
890-7646-5	HA-2	Solid	02/06/25 13:20	02/07/25 11:59	2
890-7646-6	HA-2	Solid	02/06/25 13:25	02/07/25 11:59	4

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Chain of Custody

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

890-7646 Chain of Custody

2/11/2025

www.xenco.com Page 1 of 1

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

Work Order Comments

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

Project Name:	Right Meow 31 CTB 7	Turn Around	
Project Number:	2777	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	5 Day HR TAT
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21480474		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tunce 7
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8
Total Containers:		Corrected Temperature:	2.6

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-1	S	2.6.25	13:00	0.5	Grab/	1	X	X	X		
HA-1	S	2.6.25	13:05	2	Grab/	1	X	X	X		
HA-1	S	2.6.25	13:10	4	Grab/	1	X	X	X		
HA-2	S	2.6.25	13:15	0.5	Grab/	1	X	X	X		
HA-2	S	2.6.25	13:20	2	Grab/	1	X	X	X		
HA-2	S	2.6.25	13:25	4	Grab/	1	X	X	X		

Preservative Codes

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

Sample Comments

Incident Number
nAPP2500627175

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		2/5 1159	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7646-1
SDG Number: Lea County, NM

Login Number: 7646
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: 890-7646-1
SDG Number: Lea County, NM

Login Number: 7646
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/09/25 10:34 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/11/2025 10:39:50 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-7647-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

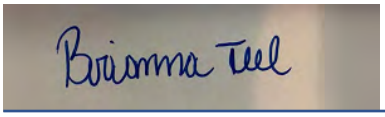
Eurofins Carlsbad

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
2/11/2025 10:39:50 AM

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

Table of Contents

Definitions/Glossary

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

Job ID: 890-7647-1
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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-7647-1
Project: Right Meow 31 CTB 7

Job ID: 890-7647-1 Eurofins Carlsbad

Job Narrative
890-7647-1

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

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

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

Receipt
The sample was received on 2/7/2025 11:59 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 2.6°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: HA - 3 (890-7647-1).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-102325/1-A) and (LCSD 880-102325/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-102366/2-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.

Client Sample Results

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

Job ID: 890-7647-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Date Collected: 02/06/25 13:30
Date Received: 02/07/25 11:59
Sample Depth: 0.5

Lab Sample ID: 890-7647-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 14:01	1
Toluene	**0.00255**		0.00200		mg/Kg		02/07/25 15:44	02/10/25 14:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 14:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/07/25 15:44	02/10/25 14:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 14:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/07/25 15:44	02/10/25 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/07/25 15:44*	*02/10/25 14:01*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/07/25 15:44*	*02/10/25 14:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/10/25 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/10/25 23:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/10/25 08:51	02/10/25 23:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/10/25 08:51	02/10/25 23:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/10/25 08:51	02/10/25 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/10/25 08:51*	*02/10/25 23:46*	*1*
o-Terphenyl	*72*		*70 - 130*	*02/10/25 08:51*	*02/10/25 23:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.9**		9.90		mg/Kg			02/10/25 21:34	1

Surrogate Summary

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

Job ID: 890-7647-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-7647-1	HA - 3	114	103
LCS 880-102325/1-A	Lab Control Sample	114	130
LCSD 880-102325/2-A	Lab Control Sample Dup	110	135 S1+
MB 880-102325/5-A	Method Blank	99	94

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-7647-1	HA - 3	69 S1-	72
LCS 880-102366/2-A	Lab Control Sample	69 S1-	68 S1-
LCSD 880-102366/3-A	Lab Control Sample Dup	71	71
MB 880-102366/1-A	Method Blank	90	97

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: 890-7647-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102325/5-A
Matrix: Solid
Analysis Batch: 102363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/07/25 15:44	02/10/25 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/07/25 15:44*	*02/10/25 11:36*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/07/25 15:44*	*02/10/25 11:36*	*1*

Lab Sample ID: LCS 880-102325/1-A
Matrix: Solid
Analysis Batch: 102363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102325

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1153		mg/Kg		115	70 - 130		
Toluene			0.100	0.1000		mg/Kg		100	70 - 130		
Ethylbenzene			0.100	0.1012		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2182		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1104		mg/Kg		110	70 - 130		

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

Lab Sample ID: LCSD 880-102325/2-A
Matrix: Solid
Analysis Batch: 102363

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102325

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1231		mg/Kg		123	70 - 130	7	35
Toluene			0.100	0.1065		mg/Kg		107	70 - 130	6	35
Ethylbenzene			0.100	0.1071		mg/Kg		107	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2317		mg/Kg		116	70 - 130	6	35
o-Xylene			0.100	0.1176		mg/Kg		118	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*135*	*S1+*	*70 - 130*

QC Sample Results

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

Job ID: 890-7647-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-102366/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

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		02/10/25 08:51	02/10/25 21:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/25 08:51	02/10/25 21:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/25 08:51	02/10/25 21:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/10/25 08:51*	*02/10/25 21:43*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/10/25 08:51*	*02/10/25 21:43*	*1*

Lab Sample ID: LCS 880-102366/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	909.8		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	931.0		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*69*	*S1-*	*70 - 130*
o-Terphenyl	*68*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-102366/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	807.3		mg/Kg		81	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	856.3		mg/Kg		86	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102339/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 102373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/10/25 19:26	1

QC Sample Results

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

Job ID: 890-7647-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A
Matrix: Solid
Analysis Batch: 102373

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.4		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-102339/3-A
Matrix: Solid
Analysis Batch: 102373

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	268.8		mg/Kg		108	90 - 110	0	20

QC Association Summary

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

Job ID: 890-7647-1
SDG: Lea County, NM

GC VOA

Prep Batch: 102325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7647-1	HA - 3	Total/NA	Solid	5035	
MB 880-102325/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102325/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102325/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 102363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7647-1	HA - 3	Total/NA	Solid	8021B	102325
MB 880-102325/5-A	Method Blank	Total/NA	Solid	8021B	102325
LCS 880-102325/1-A	Lab Control Sample	Total/NA	Solid	8021B	102325
LCSD 880-102325/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102325

Analysis Batch: 102476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7647-1	HA - 3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 102365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7647-1	HA - 3	Total/NA	Solid	8015B NM	102366
MB 880-102366/1-A	Method Blank	Total/NA	Solid	8015B NM	102366
LCS 880-102366/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102366
LCSD 880-102366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102366

Prep Batch: 102366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7647-1	HA - 3	Total/NA	Solid	8015NM Prep	
MB 880-102366/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102366/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7647-1	HA - 3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7647-1	HA - 3	Soluble	Solid	DI Leach	
MB 880-102339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 102373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7647-1	HA - 3	Soluble	Solid	300.0	102339
MB 880-102339/1-A	Method Blank	Soluble	Solid	300.0	102339
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	300.0	102339
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102339

Lab Chronicle

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

Job ID: 890-7647-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Date Collected: 02/06/25 13:30
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7647-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102325	02/07/25 15:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102363	02/10/25 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102476	02/10/25 14:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102468	02/10/25 23:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102366	02/10/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/10/25 23:46	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102373	02/10/25 21:34	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 890-7647-1
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	06-30-25

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

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

Method Summary

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

Job ID: 890-7647-1
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: 890-7647-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7647-1	HA - 3	Solid	02/06/25 13:30	02/07/25 11:59	0.5

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Chain of Custody

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

Work Order No: _____

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

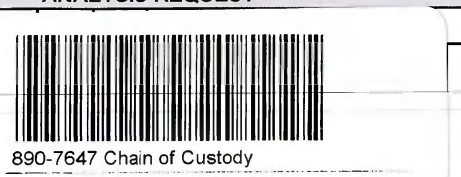
Work Order Comments

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

Project Name:	Right Meow 31 CTB 7	Turn Around	
Project Number:	2777	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	5 Day HR TAT
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21480474		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM#67
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8
Total Containers:		Corrected Temperature:	2.6

ANALYSIS REQUEST



Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-3	S	2.6.25	13:30	0.5	Grab/	1	X	X	X		

Preservative Codes

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

Sample Comments

Incident Number
nAPP2500627175

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7647-1
SDG Number: Lea County, NM

Login Number: 7647
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7647-1
SDG Number: Lea County, NM

Login Number: 7647
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/09/25 10:34 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-7648-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

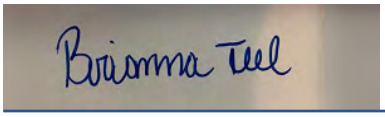
Eurofins Carlsbad

Job Notes

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

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

Authorization



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

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

Laboratory Job ID: 890-7648-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-7648-1
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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-7648-1
Project: Right Meow 31 CTB 7

Job ID: 890-7648-1 Eurofins Carlsbad

Job Narrative
890-7648-1

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

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

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

Receipt
The sample was received on 2/7/2025 11:59 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 2.6°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-102325/1-A) and (LCSD 880-102325/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-102366/2-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.

Client Sample Results

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

Job ID: 890-7648-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Date Collected: 02/06/25 13:35
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7648-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:44	02/10/25 14:22	1
Toluene	**0.00212**		0.00201		mg/Kg		02/07/25 15:44	02/10/25 14:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:44	02/10/25 14:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/07/25 15:44	02/10/25 14:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/07/25 15:44	02/10/25 14:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/07/25 15:44	02/10/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/07/25 15:44*	*02/10/25 14:22*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/07/25 15:44*	*02/10/25 14:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/25 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/11/25 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/10/25 08:51	02/11/25 00:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/10/25 08:51	02/11/25 00:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/10/25 08:51	02/11/25 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*02/10/25 08:51*	*02/11/25 00:07*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/10/25 08:51*	*02/11/25 00:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.9**		9.92		mg/Kg			02/10/25 21:53	1

Surrogate Summary

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

Job ID: 890-7648-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-7648-1	HA - 4	110	112								
LCS 880-102325/1-A	Lab Control Sample	114	130								
LCSD 880-102325/2-A	Lab Control Sample Dup	110	135 S1+								
MB 880-102325/5-A	Method Blank	99	94								

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-7648-1	HA - 4	81	82								
LCS 880-102366/2-A	Lab Control Sample	69 S1-	68 S1-								
LCSD 880-102366/3-A	Lab Control Sample Dup	71	71								
MB 880-102366/1-A	Method Blank	90	97								

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: 890-7648-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102325/5-A
Matrix: Solid
Analysis Batch: 102363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:44	02/10/25 11:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/07/25 15:44	02/10/25 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/07/25 15:44*	*02/10/25 11:36*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/07/25 15:44*	*02/10/25 11:36*	*1*

Lab Sample ID: LCS 880-102325/1-A
Matrix: Solid
Analysis Batch: 102363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102325

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1153		mg/Kg		115	70 - 130		
Toluene			0.100	0.1000		mg/Kg		100	70 - 130		
Ethylbenzene			0.100	0.1012		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2182		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1104		mg/Kg		110	70 - 130		

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

Lab Sample ID: LCSD 880-102325/2-A
Matrix: Solid
Analysis Batch: 102363

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102325

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1231		mg/Kg		123	70 - 130	7	35
Toluene			0.100	0.1065		mg/Kg		107	70 - 130	6	35
Ethylbenzene			0.100	0.1071		mg/Kg		107	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2317		mg/Kg		116	70 - 130	6	35
o-Xylene			0.100	0.1176		mg/Kg		118	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*135*	*S1+*	*70 - 130*

QC Sample Results

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

Job ID: 890-7648-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-102366/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

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		02/10/25 08:51	02/10/25 21:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/25 08:51	02/10/25 21:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/25 08:51	02/10/25 21:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/10/25 08:51*	*02/10/25 21:43*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/10/25 08:51*	*02/10/25 21:43*	*1*

Lab Sample ID: LCS 880-102366/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	909.8		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	931.0		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*69*	*S1-*	*70 - 130*
o-Terphenyl	*68*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-102366/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	807.3		mg/Kg		81	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	856.3		mg/Kg		86	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102339/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 102373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/10/25 19:26	1

QC Sample Results

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

Job ID: 890-7648-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A
Matrix: Solid
Analysis Batch: 102373

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.4		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-102339/3-A
Matrix: Solid
Analysis Batch: 102373

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	268.8		mg/Kg		108	90 - 110	0	20

QC Association Summary

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

Job ID: 890-7648-1
SDG: Lea County, NM

GC VOA

Prep Batch: 102325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7648-1	HA - 4	Total/NA	Solid	5035	
MB 880-102325/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102325/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102325/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 102363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7648-1	HA - 4	Total/NA	Solid	8021B	102325
MB 880-102325/5-A	Method Blank	Total/NA	Solid	8021B	102325
LCS 880-102325/1-A	Lab Control Sample	Total/NA	Solid	8021B	102325
LCSD 880-102325/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102325

Analysis Batch: 102477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7648-1	HA - 4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 102365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7648-1	HA - 4	Total/NA	Solid	8015B NM	102366
MB 880-102366/1-A	Method Blank	Total/NA	Solid	8015B NM	102366
LCS 880-102366/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102366
LCSD 880-102366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102366

Prep Batch: 102366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7648-1	HA - 4	Total/NA	Solid	8015NM Prep	
MB 880-102366/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102366/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7648-1	HA - 4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7648-1	HA - 4	Soluble	Solid	DI Leach	
MB 880-102339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 102373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7648-1	HA - 4	Soluble	Solid	300.0	102339
MB 880-102339/1-A	Method Blank	Soluble	Solid	300.0	102339
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	300.0	102339
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102339

Lab Chronicle

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

Job ID: 890-7648-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Date Collected: 02/06/25 13:35
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7648-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	102325	02/07/25 15:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102363	02/10/25 14:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102477	02/10/25 14:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102469	02/11/25 00:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102366	02/10/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/11/25 00:07	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102373	02/10/25 21:53	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-7648-1
Project/Site: Right Meow 31 CTB 7
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	06-30-25

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

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

Method Summary

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

Job ID: 890-7648-1
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: 890-7648-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7648-1	HA - 4	Solid	02/06/25 13:35	02/07/25 11:59

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

~~Project Name:~~	Right Meow 31 CTB 7	**Turn Around**	
Project Number:	2777	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	5 Day HR TAT
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21480474		

SAMPLE RECEIPT			
Temp Blank:	~~Yes~~ No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TWmce7
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.3
Sample Custody Seals:	Yes No N/A	~~Temperature Reading:~~	2.9
Total Containers:		Corrected Temperature:	2.6

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-4	S	2.6.25	13:35	0.5	Grab/	1		X	X	X		

Parameters

890-7648 Chain of Custody

Preservative Codes

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

Sample Comments

Incident Number
nAPP2500627175

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7648-1
SDG Number: Lea County, NM

Login Number: 7648
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7648-1
SDG Number: Lea County, NM

Login Number: 7648
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/09/25 10:34 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/11/2025 11:38:43 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-7650-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

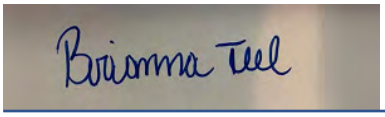
Eurofins Carlsbad

Job Notes

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

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

Authorization



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2/11/2025 11:38:43 AM

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

Table of Contents

Definitions/Glossary

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

Job ID: 890-7650-1
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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-7650-1
Project: Right Meow 31 CTB 7

Job ID: 890-7650-1 Eurofins Carlsbad

Job Narrative
890-7650-1

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

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

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

Receipt
The sample was received on 2/7/2025 11:59 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 2.6°C.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-102366/2-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.

Client Sample Results

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

Job ID: 890-7650-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Date Collected: 02/06/25 13:40
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7650-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 18:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 18:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 18:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/07/25 15:49	02/10/25 18:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 18:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/07/25 15:49	02/10/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/07/25 15:49*	*02/10/25 18:55*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/07/25 15:49*	*02/10/25 18:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/10/25 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/11/25 00:48	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		02/10/25 08:51	02/11/25 00:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/25 08:51	02/11/25 00:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/25 08:51	02/11/25 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/10/25 08:51*	*02/11/25 00:48*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/10/25 08:51*	*02/11/25 00:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.5**		10.1		mg/Kg			02/10/25 22:05	1

Surrogate Summary

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

Job ID: 890-7650-1
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)
890-7650-1	HA - 5	116	99
LCS 880-102328/1-A	Lab Control Sample	105	121
LCSD 880-102328/2-A	Lab Control Sample Dup	106	111
MB 880-102328/5-A	Method Blank	110	90

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)
890-7650-1	HA - 5	73	75
LCS 880-102366/2-A	Lab Control Sample	69 S1-	68 S1-
LCSD 880-102366/3-A	Lab Control Sample Dup	71	71
MB 880-102366/1-A	Method Blank	90	97

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: 890-7650-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102328/5-A
Matrix: Solid
Analysis Batch: 102361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/07/25 15:49	02/10/25 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/07/25 15:49*	*02/10/25 11:23*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/07/25 15:49*	*02/10/25 11:23*	*1*

Lab Sample ID: LCS 880-102328/1-A
Matrix: Solid
Analysis Batch: 102361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102328

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1151		mg/Kg		115	70 - 130
Toluene	0.100	0.1106		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.09741		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2058		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*

Lab Sample ID: LCSD 880-102328/2-A
Matrix: Solid
Analysis Batch: 102361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102328

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1143		mg/Kg		114	70 - 130	1	35
Toluene	0.100	0.1145		mg/Kg		114	70 - 130	3	35
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2131		mg/Kg		107	70 - 130	3	35
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130	3	35

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

QC Sample Results

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

Job ID: 890-7650-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-102366/1-A
Matrix: Solid
Analysis Batch: 102365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102366

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		02/10/25 08:51	02/10/25 21:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/25 08:51	02/10/25 21:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/25 08:51	02/10/25 21:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/10/25 08:51*	*02/10/25 21:43*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/10/25 08:51*	*02/10/25 21:43*	*1*

Lab Sample ID: LCS 880-102366/2-A
Matrix: Solid
Analysis Batch: 102365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	909.8		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	931.0		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*69*	*S1-*	*70 - 130*
o-Terphenyl	*68*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-102366/3-A
Matrix: Solid
Analysis Batch: 102365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	807.3		mg/Kg		81	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	856.3		mg/Kg		86	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102339/1-A
Matrix: Solid
Analysis Batch: 102373

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			02/10/25 19:26	1

QC Sample Results

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

Job ID: 890-7650-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A
Matrix: Solid
Analysis Batch: 102373

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.4		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-102339/3-A
Matrix: Solid
Analysis Batch: 102373

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	268.8		mg/Kg		108	90 - 110	0	20

QC Association Summary

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

Job ID: 890-7650-1
SDG: Lea County, NM

GC VOA

Prep Batch: 102328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7650-1	HA - 5	Total/NA	Solid	5035	
MB 880-102328/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102328/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102328/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 102361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7650-1	HA - 5	Total/NA	Solid	8021B	102328
MB 880-102328/5-A	Method Blank	Total/NA	Solid	8021B	102328
LCS 880-102328/1-A	Lab Control Sample	Total/NA	Solid	8021B	102328
LCSD 880-102328/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102328

Analysis Batch: 102452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7650-1	HA - 5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 102365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7650-1	HA - 5	Total/NA	Solid	8015B NM	102366
MB 880-102366/1-A	Method Blank	Total/NA	Solid	8015B NM	102366
LCS 880-102366/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102366
LCSD 880-102366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102366

Prep Batch: 102366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7650-1	HA - 5	Total/NA	Solid	8015NM Prep	
MB 880-102366/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102366/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7650-1	HA - 5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7650-1	HA - 5	Soluble	Solid	DI Leach	
MB 880-102339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 102373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7650-1	HA - 5	Soluble	Solid	300.0	102339
MB 880-102339/1-A	Method Blank	Soluble	Solid	300.0	102339
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	300.0	102339
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102339

Lab Chronicle

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

Job ID: 890-7650-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Date Collected: 02/06/25 13:40
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7650-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	102328	02/07/25 15:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102361	02/10/25 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102452	02/10/25 18:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102471	02/11/25 00:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	102366	02/10/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/11/25 00:48	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102373	02/10/25 22:05	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-7650-1
Project/Site: Right Meow 31 CTB 7
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	06-30-25

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

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

Method Summary

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

Job ID: 890-7650-1
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: 890-7650-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7650-1	HA - 5	Solid	02/06/25 13:40	02/07/25 11:59

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

Project Name:	Right Meow 31 CTB 7	Turn Around	
Project Number:	2777	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	5 Day HR TAT
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21480474		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Tunica
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8
Total Containers:		Corrected Temperature:	2.6

ANALYSIS REQUEST

Parameters: TPH -NM; Chloride-NM; BTEX-NM; Hold; 24 Hr Rush

890-7650 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code
HA-5	S	2.6.25	13:40	0.5	Grab/	1	

Preservative Codes

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

Sample Comments

Incident Number
nAPP2500627175

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/11/2025 10:40:42 AM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-7649-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

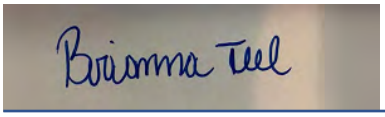
Eurofins Carlsbad

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
2/11/2025 10:40:42 AM

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

Table of Contents

Definitions/Glossary

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

Job ID: 890-7649-1
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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-7649-1
Project: Right Meow 31 CTB 7

Job ID: 890-7649-1 Eurofins Carlsbad

Job Narrative
890-7649-1

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

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

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

Receipt
The sample was received on 2/7/2025 11:59 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 2.6°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: HA-6 (890-7649-1).

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-102366/2-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.

Client Sample Results

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

Job ID: 890-7649-1
SDG: Lea County, NM

Client Sample ID: HA-6

Lab Sample ID: 890-7649-1
Matrix: Solid
Date Collected: 02/06/25 13:45
Date Received: 02/07/25 11:59
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		02/07/25 15:49	02/10/25 18:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 18:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 18:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/07/25 15:49	02/10/25 18:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 18:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/07/25 15:49	02/10/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/07/25 15:49*	*02/10/25 18:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/07/25 15:49*	*02/10/25 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/25 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/11/25 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/10/25 08:51	02/11/25 00:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/10/25 08:51	02/11/25 00:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/10/25 08:51	02/11/25 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/10/25 08:51*	*02/11/25 00:28*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/10/25 08:51*	*02/11/25 00:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.3**		10.0		mg/Kg			02/10/25 21:59	1

Surrogate Summary

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

Job ID: 890-7649-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-7649-1	HA-6	123	98
LCS 880-102328/1-A	Lab Control Sample	105	121
LCSD 880-102328/2-A	Lab Control Sample Dup	106	111
MB 880-102328/5-A	Method Blank	110	90

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-7649-1	HA-6	73	75
LCS 880-102366/2-A	Lab Control Sample	69 S1-	68 S1-
LCSD 880-102366/3-A	Lab Control Sample Dup	71	71
MB 880-102366/1-A	Method Blank	90	97

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: 890-7649-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102328/5-A
Matrix: Solid
Analysis Batch: 102361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/25 15:49	02/10/25 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/07/25 15:49	02/10/25 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/07/25 15:49*	*02/10/25 11:23*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/07/25 15:49*	*02/10/25 11:23*	*1*

Lab Sample ID: LCS 880-102328/1-A
Matrix: Solid
Analysis Batch: 102361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102328

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1151		mg/Kg		115	70 - 130		
Toluene			0.100	0.1106		mg/Kg		111	70 - 130		
Ethylbenzene			0.100	0.09741		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			0.200	0.2058		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1041		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*

Lab Sample ID: LCSD 880-102328/2-A
Matrix: Solid
Analysis Batch: 102361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102328

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1143		mg/Kg		114	70 - 130	1	35
Toluene			0.100	0.1145		mg/Kg		114	70 - 130	3	35
Ethylbenzene			0.100	0.1007		mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2131		mg/Kg		107	70 - 130	3	35
o-Xylene			0.100	0.1070		mg/Kg		107	70 - 130	3	35

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

QC Sample Results

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

Job ID: 890-7649-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-102366/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

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		02/10/25 08:51	02/10/25 21:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/25 08:51	02/10/25 21:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/25 08:51	02/10/25 21:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/10/25 08:51*	*02/10/25 21:43*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/10/25 08:51*	*02/10/25 21:43*	*1*

Lab Sample ID: LCS 880-102366/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	909.8		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	931.0		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*69*	*S1-*	*70 - 130*
o-Terphenyl	*68*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-102366/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102365 — **Prep Batch: 102366**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	807.3		mg/Kg		81	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	856.3		mg/Kg		86	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102339/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 102373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/10/25 19:26	1

QC Sample Results

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

Job ID: 890-7649-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A
Matrix: Solid
Analysis Batch: 102373

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.4		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-102339/3-A
Matrix: Solid
Analysis Batch: 102373

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	268.8		mg/Kg		108	90 - 110	0	20

QC Association Summary

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

Job ID: 890-7649-1
SDG: Lea County, NM

GC VOA

Prep Batch: 102328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7649-1	HA-6	Total/NA	Solid	5035	
MB 880-102328/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-102328/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-102328/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 102361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7649-1	HA-6	Total/NA	Solid	8021B	102328
MB 880-102328/5-A	Method Blank	Total/NA	Solid	8021B	102328
LCS 880-102328/1-A	Lab Control Sample	Total/NA	Solid	8021B	102328
LCSD 880-102328/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102328

Analysis Batch: 102451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7649-1	HA-6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 102365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7649-1	HA-6	Total/NA	Solid	8015B NM	102366
MB 880-102366/1-A	Method Blank	Total/NA	Solid	8015B NM	102366
LCS 880-102366/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102366
LCSD 880-102366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102366

Prep Batch: 102366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7649-1	HA-6	Total/NA	Solid	8015NM Prep	
MB 880-102366/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102366/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102366/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7649-1	HA-6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 102339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7649-1	HA-6	Soluble	Solid	DI Leach	
MB 880-102339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 102373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7649-1	HA-6	Soluble	Solid	300.0	102339
MB 880-102339/1-A	Method Blank	Soluble	Solid	300.0	102339
LCS 880-102339/2-A	Lab Control Sample	Soluble	Solid	300.0	102339
LCSD 880-102339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102339

Lab Chronicle

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

Job ID: 890-7649-1
SDG: Lea County, NM

Client Sample ID: HA-6

Date Collected: 02/06/25 13:45
Date Received: 02/07/25 11:59

Lab Sample ID: 890-7649-1

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	102328	02/07/25 15:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102361	02/10/25 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102451	02/10/25 18:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102470	02/11/25 00:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102366	02/10/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102365	02/11/25 00:28	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	102339	02/07/25 18:31	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102373	02/10/25 21:59	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-7649-1
Project/Site: Right Meow 31 CTB 7
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	06-30-25

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

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

Method Summary

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

Job ID: 890-7649-1
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: 890-7649-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7649-1	HA-6	Solid	02/06/25 13:45	02/07/25 11:59	0.5

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Chain of Custody

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

890-7649 Chain of Custody

www.xenco.com Page

2/11/2025

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

Work Order Comments

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

Project Name:	Right Meow 31 CTB 7	Turn Around	
Project Number:	2777	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	5 Day HR TAT
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21480474		

SAMPLE RECEIPT			
Temp Blank:	Yes ~~No~~	Wet Ice:	Yes No
Samples Received Intact:	~~Yes~~ No	Thermometer ID:	TNmeas
Cooler Custody Seals:	Yes No ~~N/A~~	Correction Factor:	-0.2
Sample Custody Seals:	Yes No ~~N/A~~	Temperature Reading:	2.8
~~Total Containers:~~		Corrected Temperature:	2.6

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-6	S	2.6.25	13:45	0.5	Grab/	1	X	X	X		

Preservative Codes

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

Sample Comments

Incident Number
nAPP2500627175

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7649-1
SDG Number: Lea County, NM

Login Number: 7649
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: 890-7649-1
SDG Number: Lea County, NM

Login Number: 7649
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/09/25 10:34 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/10/2025 1:46:35 PM Revision 1

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea Coutny, NM

JOB NUMBER

890-8098-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

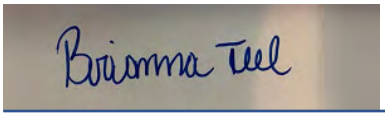
Eurofins Carlsbad

Job Notes

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

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

Authorization



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Revision 1

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

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

Laboratory Job ID: 890-8098-1
SDG: Lea Coutny, NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8098-1
Project: Right Meow 31 CTB 7

Job ID: 890-8098-1 Eurofins Carlsbad

Job Narrative
890-8098-1

REVISION

The report being provided is a revision of the original report sent on 5/12/2025. The report (revision 1) is being revised due to Per client email to correct sample IDs to:

HA-8 @ 0.5'—>HA-7 @ 0.5'
HA-8 @ 2'—> HA-7 @ 2'
HA-8 @ 4'—> HA-7 @ 4'

HA-9 @ 0.5'—>HA-8 @ 0.5'
HA-9 @ 2'—> HA-8 @ 2'
HA-9 @ 4'—> HA-8 @ 4'.

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

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

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

Receipt
The samples were received on 5/6/2025 9:10 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 -8.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA-6 @ 2' (890-8098-1), HA-6 @ 4' (890-8098-2), HA-3 @ 2' (890-8098-3), HA-3 @ 4' (890-8098-4), HA-7 @ 0.5' (890-8098-5), HA-7 @ 2' (890-8098-6), HA-7 @ 4' (890-8098-7), HA-4 @ 2' (890-8098-8), HA-4 @ 4' (890-8098-9), HA-5 @ 2' (890-8098-10), HA-5 @ 4' (890-8098-11), HA-8 @ 0.5" (890-8098-12), HA-8 @ 2' (890-8098-13) and HA-8 @ 4' (890-8098-14).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-109603 and analytical batch 880-109699 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-109605 and analytical batch 880-109699 was outside the upper control limits.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-109589 and analytical batch 880-109892 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-109589/2-A) and (LCSD 880-109589/3-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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Case Narrative

Client: Earth Systems Response and Restoration
Job ID: 890-8098-1
Project: Right Meow 31 CTB 7

Job ID: 890-8098-1 (Continued)

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-6 @ 2'

Date Collected: 05/05/25 12:05
Date Received: 05/06/25 09:10
Sample Depth: 2"

Lab Sample ID: 890-8098-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/07/25 09:07	05/08/25 19:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 09:07	05/08/25 19:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 09:07	05/08/25 19:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 09:07	05/08/25 19:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 09:07	05/08/25 19:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 09:07	05/08/25 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/07/25 09:07*	*05/08/25 19:14*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/07/25 09:07*	*05/08/25 19:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/08/25 19:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/09/25 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 16:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 16:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/07/25 08:05*	*05/09/25 16:24*	*1*
o-Terphenyl	*83*		*70 - 130*	*05/07/25 08:05*	*05/09/25 16:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**254**		9.90		mg/Kg			05/07/25 15:48	1

Client Sample ID: HA-6 @ 4'

Date Collected: 05/05/25 12:10
Date Received: 05/06/25 09:10
Sample Depth: 4'

Lab Sample ID: 890-8098-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/07/25 09:07	05/08/25 19:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 09:07	05/08/25 19:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 09:07	05/08/25 19:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 09:07	05/08/25 19:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 09:07	05/08/25 19:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 09:07	05/08/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/07/25 09:07*	*05/08/25 19:35*	*1*

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-6 @ 4'

Date Collected: 05/05/25 12:10
Date Received: 05/06/25 09:10
Sample Depth: 4'

Lab Sample ID: 890-8098-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/07/25 09:07*	*05/08/25 19:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/08/25 19:35	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			05/09/25 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*05/07/25 08:05*	*05/09/25 17:07*	*1*
o-Terphenyl	*79*		*70 - 130*	*05/07/25 08:05*	*05/09/25 17:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**442**		9.92		mg/Kg			05/07/25 15:53	1

Client Sample ID: HA-3 @ 2'

Date Collected: 05/05/25 12:20
Date Received: 05/06/25 09:10
Sample Depth: 2'

Lab Sample ID: 890-8098-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 09:07	05/08/25 19:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 09:07	05/08/25 19:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 09:07	05/08/25 19:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 09:07	05/08/25 19:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 09:07	05/08/25 19:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 09:07	05/08/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/07/25 09:07*	*05/08/25 19:55*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/07/25 09:07*	*05/08/25 19:55*	*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			05/08/25 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/09/25 17:23	1

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Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-3 @ 2'

Lab Sample ID: 890-8098-3
Matrix: Solid
Date Collected: 05/05/25 12:20
Date Received: 05/06/25 09:10
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 17:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 17:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*05/07/25 08:05*	*05/09/25 17:23*	*1*
o-Terphenyl	*79*		*70 - 130*	*05/07/25 08:05*	*05/09/25 17:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		10.0		mg/Kg			05/07/25 15:58	1

Client Sample ID: HA-3 @ 4'

Lab Sample ID: 890-8098-4
Matrix: Solid
Date Collected: 05/05/25 12:25
Date Received: 05/06/25 09:10
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		05/07/25 09:07	05/08/25 20:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 09:07	05/08/25 20:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 09:07	05/08/25 20:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 09:07	05/08/25 20:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 09:07	05/08/25 20:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 09:07	05/08/25 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/07/25 09:07*	*05/08/25 20:15*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*05/07/25 09:07*	*05/08/25 20:15*	*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			05/08/25 20:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/09/25 17:37	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		05/07/25 08:05	05/09/25 17:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 17:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*05/07/25 08:05*	*05/09/25 17:37*	*1*
o-Terphenyl	*79*		*70 - 130*	*05/07/25 08:05*	*05/09/25 17:37*	*1*

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-3 @ 4'

Lab Sample ID: 890-8098-4
Matrix: Solid
Date Collected: 05/05/25 12:25
Date Received: 05/06/25 09:10
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**475**		9.94		mg/Kg			05/07/25 16:03	1

Client Sample ID: HA-7 @ 0.5'

Lab Sample ID: 890-8098-5
Matrix: Solid
Date Collected: 05/05/25 12:30
Date Received: 05/06/25 09:10
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		05/07/25 08:51	05/09/25 00:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:51	05/09/25 00:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:51	05/09/25 00:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:51	05/09/25 00:14	1
o-Xylene	**0.0101**	**B**	0.00199		mg/Kg		05/07/25 08:51	05/09/25 00:14	1
Xylenes, Total	**0.0101**		0.00398		mg/Kg		05/07/25 08:51	05/09/25 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*05/07/25 08:51*	*05/09/25 00:14*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/07/25 08:51*	*05/09/25 00:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0101**		0.00398		mg/Kg			05/09/25 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			05/09/25 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/07/25 08:05	05/09/25 17:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 08:05	05/09/25 17:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 08:05	05/09/25 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/07/25 08:05*	*05/09/25 17:52*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/07/25 08:05*	*05/09/25 17:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**192**		9.96		mg/Kg			05/07/25 16:08	1

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-7 @ 2'

Date Collected: 05/05/25 12:35
Date Received: 05/06/25 09:10
Sample Depth: 2'

Lab Sample ID: 890-8098-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 00:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 08:51	05/09/25 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 00:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 08:51	05/09/25 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/07/25 08:51*	*05/09/25 00:34*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/07/25 08:51*	*05/09/25 00:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/09/25 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/09/25 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 18:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 18:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/07/25 08:05*	*05/09/25 18:08*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/07/25 08:05*	*05/09/25 18:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		9.98		mg/Kg			05/07/25 16:14	1

Client Sample ID: HA-7 @ 4'

Date Collected: 05/05/25 12:40
Date Received: 05/06/25 09:10
Sample Depth: 4

Lab Sample ID: 890-8098-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 00:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 00:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 00:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 08:51	05/09/25 00:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 00:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 08:51	05/09/25 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/07/25 08:51*	*05/09/25 00:55*	*1*

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-7 @ 4'

Date Collected: 05/05/25 12:40
Date Received: 05/06/25 09:10
Sample Depth: 4

Lab Sample ID: 890-8098-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/07/25 08:51*	*05/09/25 00:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/09/25 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/09/25 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 18:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 18:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/07/25 08:05*	*05/09/25 18:22*	*1*
o-Terphenyl	*75*		*70 - 130*	*05/07/25 08:05*	*05/09/25 18:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		9.92		mg/Kg			05/07/25 16:29	1

Client Sample ID: HA-4 @ 2'

Date Collected: 05/05/25 12:45
Date Received: 05/06/25 09:10
Sample Depth: 2'

Lab Sample ID: 890-8098-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:51	05/09/25 01:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:51	05/09/25 01:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:51	05/09/25 01:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:51	05/09/25 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:51	05/09/25 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:51	05/09/25 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/07/25 08:51*	*05/09/25 01:15*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/07/25 08:51*	*05/09/25 01:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/09/25 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/09/25 18:37	1

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Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-4 @ 2'

Lab Sample ID: 890-8098-8
Matrix: Solid
Date Collected: 05/05/25 12:45
Date Received: 05/06/25 09:10
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 18:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 18:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/07/25 08:05*	*05/09/25 18:37*	*1*
o-Terphenyl	*81*		*70 - 130*	*05/07/25 08:05*	*05/09/25 18:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**271**		10.0		mg/Kg			05/07/25 16:34	1

Client Sample ID: HA-4 @ 4'

Lab Sample ID: 890-8098-9
Matrix: Solid
Date Collected: 05/05/25 12:50
Date Received: 05/06/25 09:10
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:51	05/09/25 01:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:51	05/09/25 01:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:51	05/09/25 01:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/07/25 08:51	05/09/25 01:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/07/25 08:51	05/09/25 01:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/07/25 08:51	05/09/25 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/07/25 08:51*	*05/09/25 01:36*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/07/25 08:51*	*05/09/25 01:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/09/25 01:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/09/25 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 18:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 18:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/07/25 08:05	05/09/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/07/25 08:05*	*05/09/25 18:53*	*1*
o-Terphenyl	*79*		*70 - 130*	*05/07/25 08:05*	*05/09/25 18:53*	*1*

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-4 @ 4'

Lab Sample ID: 890-8098-9
Matrix: Solid
Date Collected: 05/05/25 12:50
Date Received: 05/06/25 09:10
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183		9.94		mg/Kg			05/07/25 16:50	1

Client Sample ID: HA-5 @ 2'

Lab Sample ID: 890-8098-10
Matrix: Solid
Date Collected: 05/05/25 12:55
Date Received: 05/06/25 09:10
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		05/07/25 08:51	05/09/25 01:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:51	05/09/25 01:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:51	05/09/25 01:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/07/25 08:51	05/09/25 01:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/07/25 08:51	05/09/25 01:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/07/25 08:51	05/09/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/07/25 08:51*	*05/09/25 01:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/07/25 08:51*	*05/09/25 01:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/09/25 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/09/25 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/07/25 08:05	05/09/25 19:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 08:05	05/09/25 19:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 08:05	05/09/25 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/07/25 08:05*	*05/09/25 19:07*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/07/25 08:05*	*05/09/25 19:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		9.98		mg/Kg			05/07/25 16:55	1

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-5 @ 4'

Date Collected: 05/05/25 13:00
Date Received: 05/06/25 09:10
Sample Depth: 4'

Lab Sample ID: 890-8098-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 02:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 02:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 02:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/07/25 08:51	05/09/25 02:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 02:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/07/25 08:51	05/09/25 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/07/25 08:51*	*05/09/25 02:17*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/07/25 08:51*	*05/09/25 02:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/09/25 02:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/09/25 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	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 19:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 19:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/07/25 08:05*	*05/09/25 19:37*	*1*
o-Terphenyl	*77*		*70 - 130*	*05/07/25 08:05*	*05/09/25 19:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.2**		10.0		mg/Kg			05/07/25 17:00	1

Client Sample ID: HA-8 @ 0.5"

Date Collected: 05/05/25 13:05
Date Received: 05/06/25 09:10
Sample Depth: 0.5'

Lab Sample ID: 890-8098-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 08:51	05/09/25 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 08:51	05/09/25 02:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 08:51	05/09/25 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/07/25 08:51*	*05/09/25 02:37*	*1*

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-8 @ 0.5"

Date Collected: 05/05/25 13:05
Date Received: 05/06/25 09:10
Sample Depth: 0.5'

Lab Sample ID: 890-8098-12
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/07/25 08:51*	*05/09/25 02:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/09/25 02:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/09/25 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 19:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 19:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/07/25 08:05*	*05/09/25 19:51*	*1*
o-Terphenyl	*81*		*70 - 130*	*05/07/25 08:05*	*05/09/25 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**480**		10.0		mg/Kg			05/08/25 11:03	1

Client Sample ID: HA-8 @ 2'

Date Collected: 05/05/25 13:10
Date Received: 05/06/25 09:10
Sample Depth: 2'

Lab Sample ID: 890-8098-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:51	05/09/25 02:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:51	05/09/25 02:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:51	05/09/25 02:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/07/25 08:51	05/09/25 02:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/07/25 08:51	05/09/25 02:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/07/25 08:51	05/09/25 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*05/07/25 08:51*	*05/09/25 02:58*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/07/25 08:51*	*05/09/25 02:58*	*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			05/09/25 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/09/25 20:06	1

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-8 @ 2'

Lab Sample ID: 890-8098-13
Matrix: Solid
Date Collected: 05/05/25 13:10
Date Received: 05/06/25 09:10
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 20:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 20:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/07/25 08:05	05/09/25 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/07/25 08:05*	*05/09/25 20:06*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/07/25 08:05*	*05/09/25 20:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**482**		10.0		mg/Kg			05/07/25 17:11	1

Client Sample ID: HA-8 @ 4'

Lab Sample ID: 890-8098-14
Matrix: Solid
Date Collected: 05/05/25 13:15
Date Received: 05/06/25 09:10
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		05/07/25 08:51	05/09/25 05:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:51	05/09/25 05:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:51	05/09/25 05:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/07/25 08:51	05/09/25 05:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/07/25 08:51	05/09/25 05:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/07/25 08:51	05/09/25 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/07/25 08:51*	*05/09/25 05:29*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/07/25 08:51*	*05/09/25 05:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/09/25 05:29	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			05/09/25 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 20:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 20:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/07/25 08:05	05/09/25 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/07/25 08:05*	*05/09/25 20:20*	*1*
o-Terphenyl	*81*		*70 - 130*	*05/07/25 08:05*	*05/09/25 20:20*	*1*

Client Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-8 @ 4'

Date Collected: 05/05/25 13:15
Date Received: 05/06/25 09:10
Sample Depth: 4'

Lab Sample ID: 890-8098-14

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	385		9.94		mg/Kg			05/07/25 17:16	1

Surrogate Summary

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-56959-A-15-C MB	Method Blank	83	96
890-8098-1	HA-6 @ 2'	98	104
890-8098-2	HA-6 @ 4'	106	109
890-8098-3	HA-3 @ 2'	105	107
890-8098-4	HA-3 @ 4'	100	110
890-8098-5	HA-7 @ 0.5'	118	88
890-8098-6	HA-7 @ 2'	101	90
890-8098-7	HA-7 @ 4'	103	93
890-8098-8	HA-4 @ 2'	94	103
890-8098-9	HA-4 @ 4'	101	94
890-8098-10	HA-5 @ 2'	101	92
890-8098-11	HA-5 @ 4'	102	98
890-8098-12	HA-8 @ 0.5"	93	93
890-8098-13	HA-8 @ 2'	108	94
890-8098-14	HA-8 @ 4'	104	104
LCS 880-109603/1-A	Lab Control Sample	90	103
LCS 880-109605/1-A	Lab Control Sample	96	106
LCSD 880-109603/2-A	Lab Control Sample Dup	88	97
LCSD 880-109605/2-A	Lab Control Sample Dup	89	102
MB 880-109603/5-A	Method Blank	179 S1+	127
MB 880-109605/5-A	Method Blank	140 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**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8098-1	HA-6 @ 2'	90	83
890-8098-1 MS	HA-6 @ 2'	91	78
890-8098-1 MSD	HA-6 @ 2'	91	79
890-8098-2	HA-6 @ 4'	86	79
890-8098-3	HA-3 @ 2'	86	79
890-8098-4	HA-3 @ 4'	86	79
890-8098-5	HA-7 @ 0.5'	88	80
890-8098-6	HA-7 @ 2'	87	80
890-8098-7	HA-7 @ 4'	84	75
890-8098-8	HA-4 @ 2'	90	81
890-8098-9	HA-4 @ 4'	88	79
890-8098-10	HA-5 @ 2'	88	80
890-8098-11	HA-5 @ 4'	85	77
890-8098-12	HA-8 @ 0.5"	88	81
890-8098-13	HA-8 @ 2'	87	80
890-8098-14	HA-8 @ 4'	89	81
LCS 880-109589/2-A	Lab Control Sample	153 S1+	128
LCSD 880-109589/3-A	Lab Control Sample Dup	160 S1+	133 S1+

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8098-1
Project/Site: Right Meow 31 CTB 7
SDG: Lea Coutny, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
MB 880-109589/1-A	Method Blank	140 S1+	124								

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: 890-8098-1
SDG: Lea Coutny, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: 880-56959-A-15-C MB
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/08/25 14:00	05/09/25 04:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/08/25 14:00	05/09/25 04:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/08/25 14:00	05/09/25 04:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/08/25 14:00	05/09/25 04:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/08/25 14:00	05/09/25 04:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/08/25 14:00	05/09/25 04:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*05/08/25 14:00*	*05/09/25 04:48*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/08/25 14:00*	*05/09/25 04:48*	*1*

Lab Sample ID: MB 880-109603/5-A
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109603

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/08/25 14:00	05/08/25 23:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/08/25 14:00	05/08/25 23:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/08/25 14:00	05/08/25 23:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/08/25 14:00	05/08/25 23:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/08/25 14:00	05/08/25 23:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/08/25 14:00	05/08/25 23:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*179*	*S1+*	*70 - 130*	*05/08/25 14:00*	*05/08/25 23:25*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*05/08/25 14:00*	*05/08/25 23:25*	*1*

Lab Sample ID: LCS 880-109603/1-A
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09825		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.1826		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09247		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-109603/2-A
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109603

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1004		mg/Kg		100	70 - 130	2	35

QC Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

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

Lab Sample ID: LCSD 880-109603/2-A
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109603

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09198		mg/Kg		92	70 - 130	7	35
Ethylbenzene			0.100	0.08580		mg/Kg		86	70 - 130	19	35
m-Xylene & p-Xylene			0.200	0.1428		mg/Kg		71	70 - 130	24	35
o-Xylene			0.100	0.08155		mg/Kg		82	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-109605/5-A
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/07/25 09:07	05/08/25 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/07/25 09:07	05/08/25 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/07/25 09:07	05/08/25 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/07/25 09:07	05/08/25 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/07/25 09:07	05/08/25 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/07/25 09:07	05/08/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*05/07/25 09:07*	*05/08/25 11:48*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/07/25 09:07*	*05/08/25 11:48*	*1*

Lab Sample ID: LCS 880-109605/1-A
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1049		mg/Kg		105	70 - 130
Toluene			0.100	0.09289		mg/Kg		93	70 - 130
Ethylbenzene			0.100	0.1023		mg/Kg		102	70 - 130
m-Xylene & p-Xylene			0.200	0.1898		mg/Kg		95	70 - 130
o-Xylene			0.100	0.09856		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-109605/2-A
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109605

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09517		mg/Kg		95	70 - 130	10	35
Toluene			0.100	0.08512		mg/Kg		85	70 - 130	9	35
Ethylbenzene			0.100	0.09215		mg/Kg		92	70 - 130	10	35

QC Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

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

Lab Sample ID: LCSD 880-109605/2-A
Matrix: Solid
Analysis Batch: 109699

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109605

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.1756		mg/Kg		88	70 - 130	8	35
o-Xylene			0.100	0.09023		mg/Kg		90	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 880-109589/1-A
Matrix: Solid
Analysis Batch: 109892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109589

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		05/07/25 07:57	05/09/25 11:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/07/25 07:57	05/09/25 11:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/07/25 07:57	05/09/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*05/07/25 07:57*	*05/09/25 11:15*	*1*
o-Terphenyl	*124*		*70 - 130*	*05/07/25 07:57*	*05/09/25 11:15*	*1*

Lab Sample ID: LCS 880-109589/2-A
Matrix: Solid
Analysis Batch: 109892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109589

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	936.0		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)			1000	916.6		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*153*	*S1+*	*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-109589/3-A
Matrix: Solid
Analysis Batch: 109892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109589

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	984.8		mg/Kg		98	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	981.6		mg/Kg		98	70 - 130	7	20

QC Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

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

Lab Sample ID: LCSD 880-109589/3-A
Matrix: Solid
Analysis Batch: 109892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109589

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*160*	*S1+*	*70 - 130*
o-Terphenyl	*133*	*S1+*	*70 - 130*

Lab Sample ID: 890-8098-1 MS
Matrix: Solid
Analysis Batch: 109892

Client Sample ID: HA-6 @ 2'
Prep Type: Total/NA
Prep Batch: 109589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1057		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1009		mg/Kg		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: 890-8098-1 MSD
Matrix: Solid
Analysis Batch: 109892

Client Sample ID: HA-6 @ 2'
Prep Type: Total/NA
Prep Batch: 109589

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1058		mg/Kg		106	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1029		mg/Kg		100	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109608/1-A
Matrix: Solid
Analysis Batch: 109635

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			05/07/25 14:45	1

Lab Sample ID: LCS 880-109608/2-A
Matrix: Solid
Analysis Batch: 109635

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.7		mg/Kg		100	90 - 110

QC Sample Results

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-109608/3-A
Matrix: Solid
Analysis Batch: 109635

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	251.3		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-8098-6 MS
Matrix: Solid
Analysis Batch: 109635

Client Sample ID: HA-7 @ 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	119		250	376.3		mg/Kg		103	90 - 110		

Lab Sample ID: 890-8098-6 MSD
Matrix: Solid
Analysis Batch: 109635

Client Sample ID: HA-7 @ 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	119		250	376.2		mg/Kg		103	90 - 110	0	20

QC Association Summary

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

GC VOA

Prep Batch: 109603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-5	HA-7 @ 0.5'	Total/NA	Solid	5035	
890-8098-6	HA-7 @ 2'	Total/NA	Solid	5035	
890-8098-7	HA-7 @ 4'	Total/NA	Solid	5035	
890-8098-8	HA-4 @ 2'	Total/NA	Solid	5035	
890-8098-9	HA-4 @ 4'	Total/NA	Solid	5035	
890-8098-10	HA-5 @ 2'	Total/NA	Solid	5035	
890-8098-11	HA-5 @ 4'	Total/NA	Solid	5035	
890-8098-12	HA-8 @ 0.5"	Total/NA	Solid	5035	
890-8098-13	HA-8 @ 2'	Total/NA	Solid	5035	
890-8098-14	HA-8 @ 4'	Total/NA	Solid	5035	
880-56959-A-15-C MB	Method Blank	Total/NA	Solid	5035	
MB 880-109603/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109603/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109603/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 109605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-1	HA-6 @ 2'	Total/NA	Solid	5035	
890-8098-2	HA-6 @ 4'	Total/NA	Solid	5035	
890-8098-3	HA-3 @ 2'	Total/NA	Solid	5035	
890-8098-4	HA-3 @ 4'	Total/NA	Solid	5035	
MB 880-109605/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109605/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109605/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 109699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-1	HA-6 @ 2'	Total/NA	Solid	8021B	109605
890-8098-2	HA-6 @ 4'	Total/NA	Solid	8021B	109605
890-8098-3	HA-3 @ 2'	Total/NA	Solid	8021B	109605
890-8098-4	HA-3 @ 4'	Total/NA	Solid	8021B	109605
890-8098-5	HA-7 @ 0.5'	Total/NA	Solid	8021B	109603
890-8098-6	HA-7 @ 2'	Total/NA	Solid	8021B	109603
890-8098-7	HA-7 @ 4'	Total/NA	Solid	8021B	109603
890-8098-8	HA-4 @ 2'	Total/NA	Solid	8021B	109603
890-8098-9	HA-4 @ 4'	Total/NA	Solid	8021B	109603
890-8098-10	HA-5 @ 2'	Total/NA	Solid	8021B	109603
890-8098-11	HA-5 @ 4'	Total/NA	Solid	8021B	109603
890-8098-12	HA-8 @ 0.5"	Total/NA	Solid	8021B	109603
890-8098-13	HA-8 @ 2'	Total/NA	Solid	8021B	109603
890-8098-14	HA-8 @ 4'	Total/NA	Solid	8021B	109603
880-56959-A-15-C MB	Method Blank	Total/NA	Solid	8021B	109603
MB 880-109603/5-A	Method Blank	Total/NA	Solid	8021B	109603
MB 880-109605/5-A	Method Blank	Total/NA	Solid	8021B	109605
LCS 880-109603/1-A	Lab Control Sample	Total/NA	Solid	8021B	109603
LCS 880-109605/1-A	Lab Control Sample	Total/NA	Solid	8021B	109605
LCSD 880-109603/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109603
LCSD 880-109605/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109605

QC Association Summary

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

GC VOA

Analysis Batch: 109843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-1	HA-6 @ 2'	Total/NA	Solid	Total BTEX	
890-8098-2	HA-6 @ 4'	Total/NA	Solid	Total BTEX	
890-8098-3	HA-3 @ 2'	Total/NA	Solid	Total BTEX	
890-8098-4	HA-3 @ 4'	Total/NA	Solid	Total BTEX	
890-8098-5	HA-7 @ 0.5'	Total/NA	Solid	Total BTEX	
890-8098-6	HA-7 @ 2'	Total/NA	Solid	Total BTEX	
890-8098-7	HA-7 @ 4'	Total/NA	Solid	Total BTEX	
890-8098-8	HA-4 @ 2'	Total/NA	Solid	Total BTEX	
890-8098-9	HA-4 @ 4'	Total/NA	Solid	Total BTEX	
890-8098-10	HA-5 @ 2'	Total/NA	Solid	Total BTEX	
890-8098-11	HA-5 @ 4'	Total/NA	Solid	Total BTEX	
890-8098-12	HA-8 @ 0.5"	Total/NA	Solid	Total BTEX	
890-8098-13	HA-8 @ 2'	Total/NA	Solid	Total BTEX	
890-8098-14	HA-8 @ 4'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 109589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-1	HA-6 @ 2'	Total/NA	Solid	8015NM Prep	
890-8098-2	HA-6 @ 4'	Total/NA	Solid	8015NM Prep	
890-8098-3	HA-3 @ 2'	Total/NA	Solid	8015NM Prep	
890-8098-4	HA-3 @ 4'	Total/NA	Solid	8015NM Prep	
890-8098-5	HA-7 @ 0.5'	Total/NA	Solid	8015NM Prep	
890-8098-6	HA-7 @ 2'	Total/NA	Solid	8015NM Prep	
890-8098-7	HA-7 @ 4'	Total/NA	Solid	8015NM Prep	
890-8098-8	HA-4 @ 2'	Total/NA	Solid	8015NM Prep	
890-8098-9	HA-4 @ 4'	Total/NA	Solid	8015NM Prep	
890-8098-10	HA-5 @ 2'	Total/NA	Solid	8015NM Prep	
890-8098-11	HA-5 @ 4'	Total/NA	Solid	8015NM Prep	
890-8098-12	HA-8 @ 0.5"	Total/NA	Solid	8015NM Prep	
890-8098-13	HA-8 @ 2'	Total/NA	Solid	8015NM Prep	
890-8098-14	HA-8 @ 4'	Total/NA	Solid	8015NM Prep	
MB 880-109589/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109589/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8098-1 MS	HA-6 @ 2'	Total/NA	Solid	8015NM Prep	
890-8098-1 MSD	HA-6 @ 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-1	HA-6 @ 2'	Total/NA	Solid	8015B NM	109589
890-8098-2	HA-6 @ 4'	Total/NA	Solid	8015B NM	109589
890-8098-3	HA-3 @ 2'	Total/NA	Solid	8015B NM	109589
890-8098-4	HA-3 @ 4'	Total/NA	Solid	8015B NM	109589
890-8098-5	HA-7 @ 0.5'	Total/NA	Solid	8015B NM	109589
890-8098-6	HA-7 @ 2'	Total/NA	Solid	8015B NM	109589
890-8098-7	HA-7 @ 4'	Total/NA	Solid	8015B NM	109589
890-8098-8	HA-4 @ 2'	Total/NA	Solid	8015B NM	109589
890-8098-9	HA-4 @ 4'	Total/NA	Solid	8015B NM	109589
890-8098-10	HA-5 @ 2'	Total/NA	Solid	8015B NM	109589

QC Association Summary

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

GC Semi VOA (Continued)

Analysis Batch: 109892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-11	HA-5 @ 4'	Total/NA	Solid	8015B NM	109589
890-8098-12	HA-8 @ 0.5"	Total/NA	Solid	8015B NM	109589
890-8098-13	HA-8 @ 2'	Total/NA	Solid	8015B NM	109589
890-8098-14	HA-8 @ 4'	Total/NA	Solid	8015B NM	109589
MB 880-109589/1-A	Method Blank	Total/NA	Solid	8015B NM	109589
LCS 880-109589/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109589
LCSD 880-109589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109589
890-8098-1 MS	HA-6 @ 2'	Total/NA	Solid	8015B NM	109589
890-8098-1 MSD	HA-6 @ 2'	Total/NA	Solid	8015B NM	109589

Analysis Batch: 109940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-1	HA-6 @ 2'	Total/NA	Solid	8015 NM	
890-8098-2	HA-6 @ 4'	Total/NA	Solid	8015 NM	
890-8098-3	HA-3 @ 2'	Total/NA	Solid	8015 NM	
890-8098-4	HA-3 @ 4'	Total/NA	Solid	8015 NM	
890-8098-5	HA-7 @ 0.5'	Total/NA	Solid	8015 NM	
890-8098-6	HA-7 @ 2'	Total/NA	Solid	8015 NM	
890-8098-7	HA-7 @ 4'	Total/NA	Solid	8015 NM	
890-8098-8	HA-4 @ 2'	Total/NA	Solid	8015 NM	
890-8098-9	HA-4 @ 4'	Total/NA	Solid	8015 NM	
890-8098-10	HA-5 @ 2'	Total/NA	Solid	8015 NM	
890-8098-11	HA-5 @ 4'	Total/NA	Solid	8015 NM	
890-8098-12	HA-8 @ 0.5"	Total/NA	Solid	8015 NM	
890-8098-13	HA-8 @ 2'	Total/NA	Solid	8015 NM	
890-8098-14	HA-8 @ 4'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 109608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-1	HA-6 @ 2'	Soluble	Solid	DI Leach	
890-8098-2	HA-6 @ 4'	Soluble	Solid	DI Leach	
890-8098-3	HA-3 @ 2'	Soluble	Solid	DI Leach	
890-8098-4	HA-3 @ 4'	Soluble	Solid	DI Leach	
890-8098-5	HA-7 @ 0.5'	Soluble	Solid	DI Leach	
890-8098-6	HA-7 @ 2'	Soluble	Solid	DI Leach	
890-8098-7	HA-7 @ 4'	Soluble	Solid	DI Leach	
890-8098-8	HA-4 @ 2'	Soluble	Solid	DI Leach	
890-8098-9	HA-4 @ 4'	Soluble	Solid	DI Leach	
890-8098-10	HA-5 @ 2'	Soluble	Solid	DI Leach	
890-8098-11	HA-5 @ 4'	Soluble	Solid	DI Leach	
890-8098-12	HA-8 @ 0.5"	Soluble	Solid	DI Leach	
890-8098-13	HA-8 @ 2'	Soluble	Solid	DI Leach	
890-8098-14	HA-8 @ 4'	Soluble	Solid	DI Leach	
MB 880-109608/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109608/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109608/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8098-6 MS	HA-7 @ 2'	Soluble	Solid	DI Leach	
890-8098-6 MSD	HA-7 @ 2'	Soluble	Solid	DI Leach	

QC Association Summary

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

HPLC/IC

Analysis Batch: 109635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8098-1	HA-6 @ 2'	Soluble	Solid	300.0	109608
890-8098-2	HA-6 @ 4'	Soluble	Solid	300.0	109608
890-8098-3	HA-3 @ 2'	Soluble	Solid	300.0	109608
890-8098-4	HA-3 @ 4'	Soluble	Solid	300.0	109608
890-8098-5	HA-7 @ 0.5'	Soluble	Solid	300.0	109608
890-8098-6	HA-7 @ 2'	Soluble	Solid	300.0	109608
890-8098-7	HA-7 @ 4'	Soluble	Solid	300.0	109608
890-8098-8	HA-4 @ 2'	Soluble	Solid	300.0	109608
890-8098-9	HA-4 @ 4'	Soluble	Solid	300.0	109608
890-8098-10	HA-5 @ 2'	Soluble	Solid	300.0	109608
890-8098-11	HA-5 @ 4'	Soluble	Solid	300.0	109608
890-8098-12	HA-8 @ 0.5"	Soluble	Solid	300.0	109608
890-8098-13	HA-8 @ 2'	Soluble	Solid	300.0	109608
890-8098-14	HA-8 @ 4'	Soluble	Solid	300.0	109608
MB 880-109608/1-A	Method Blank	Soluble	Solid	300.0	109608
LCS 880-109608/2-A	Lab Control Sample	Soluble	Solid	300.0	109608
LCSD 880-109608/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109608
890-8098-6 MS	HA-7 @ 2'	Soluble	Solid	300.0	109608
890-8098-6 MSD	HA-7 @ 2'	Soluble	Solid	300.0	109608

Lab Chronicle

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-6 @ 2'
Date Collected: 05/05/25 12:05
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109605	05/07/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/08/25 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/08/25 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 16:24	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 15:48	CH	EET MID

Client Sample ID: HA-6 @ 4'
Date Collected: 05/05/25 12:10
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-2
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			5.02 g	5 mL	109605	05/07/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/08/25 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/08/25 19:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 17:07	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 15:53	CH	EET MID

Client Sample ID: HA-3 @ 2'
Date Collected: 05/05/25 12:20
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	109605	05/07/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/08/25 19:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/08/25 19:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 17:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 17:23	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 15:58	CH	EET MID

Client Sample ID: HA-3 @ 4'
Date Collected: 05/05/25 12:25
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109605	05/07/25 09:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/08/25 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/08/25 20:15	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-3 @ 4'
Date Collected: 05/05/25 12:25
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			109940	05/09/25 17:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 17:37	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 16:03	CH	EET MID

Client Sample ID: HA-7 @ 0.5'
Date Collected: 05/05/25 12:30
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 00:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 17:52	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 16:08	CH	EET MID

Client Sample ID: HA-7 @ 2'
Date Collected: 05/05/25 12:35
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 00:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 18:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 18:08	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 16:14	CH	EET MID

Client Sample ID: HA-7 @ 4'
Date Collected: 05/05/25 12:40
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 00:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 18:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 18:22	TKC	EET MID

Lab Chronicle

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-7 @ 4'

Date Collected: 05/05/25 12:40
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 16:29	CH	EET MID

Client Sample ID: HA-4 @ 2'

Date Collected: 05/05/25 12:45
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-8
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			4.98 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 01:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 18:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 18:37	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 16:34	CH	EET MID

Client Sample ID: HA-4 @ 4'

Date Collected: 05/05/25 12:50
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 01:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 18:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 18:53	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 16:50	CH	EET MID

Client Sample ID: HA-5 @ 2'

Date Collected: 05/05/25 12:55
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-10
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			5.03 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 01:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 01:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 19:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 19:07	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 16:55	CH	EET MID

Lab Chronicle

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-5 @ 4'

Date Collected: 05/05/25 13:00
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-11
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	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 02:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 02:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 19:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 19:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 17:00	CH	EET MID

Client Sample ID: HA-8 @ 0.5"

Date Collected: 05/05/25 13:05
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 02:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 02:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 19:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 19:51	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/08/25 11:03	CH	EET MID

Client Sample ID: HA-8 @ 2'

Date Collected: 05/05/25 13:10
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 02:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 02:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			109940	05/09/25 20:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 20:06	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 17:11	CH	EET MID

Client Sample ID: HA-8 @ 4'

Date Collected: 05/05/25 13:15
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109603	05/07/25 08:51	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109699	05/09/25 05:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109843	05/09/25 05:29	SM	EET MID

Lab Chronicle

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

Job ID: 890-8098-1
SDG: Lea Coutny, NM

Client Sample ID: HA-8 @ 4'

Date Collected: 05/05/25 13:15
Date Received: 05/06/25 09:10

Lab Sample ID: 890-8098-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			109940	05/09/25 20:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109589	05/07/25 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109892	05/09/25 20:20	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109608	05/07/25 09:16	SA	EET MID
Soluble	Analysis	300.0		1			109635	05/07/25 17:16	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8098-1
Project/Site: Right Meow 31 CTB 7
SDG: Lea Coutny, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

Method Summary

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

Job ID: 890-8098-1
SDG: Lea Coutny, 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: 890-8098-1
SDG: Lea Coutny, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8098-1	HA-6 @ 2'	Solid	05/05/25 12:05	05/06/25 09:10	2"
890-8098-2	HA-6 @ 4'	Solid	05/05/25 12:10	05/06/25 09:10	4'
890-8098-3	HA-3 @ 2'	Solid	05/05/25 12:20	05/06/25 09:10	2'
890-8098-4	HA-3 @ 4'	Solid	05/05/25 12:25	05/06/25 09:10	4'
890-8098-5	HA-7 @ 0.5'	Solid	05/05/25 12:30	05/06/25 09:10	0.5'
890-8098-6	HA-7 @ 2'	Solid	05/05/25 12:35	05/06/25 09:10	2'
890-8098-7	HA-7 @ 4'	Solid	05/05/25 12:40	05/06/25 09:10	4
890-8098-8	HA-4 @ 2'	Solid	05/05/25 12:45	05/06/25 09:10	2'
890-8098-9	HA-4 @ 4'	Solid	05/05/25 12:50	05/06/25 09:10	4'
890-8098-10	HA-5 @ 2'	Solid	05/05/25 12:55	05/06/25 09:10	2'
890-8098-11	HA-5 @ 4'	Solid	05/05/25 13:00	05/06/25 09:10	4'
890-8098-12	HA-8 @ 0.5"	Solid	05/05/25 13:05	05/06/25 09:10	0.5'
890-8098-13	HA-8 @ 2'	Solid	05/05/25 13:10	05/06/25 09:10	2'
890-8098-14	HA-8 @ 4'	Solid	05/05/25 13:15	05/06/25 09:10	4'

Chain of Custody

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

Work Order No: _____

890-8098 Chain of Custody

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

Program: US
State of Proj
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Right Meow 31 CTB 7	Turn Around	
Project Number:	2777	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TN060
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-8.2
Total Containers:		Corrected Temperature:	-8.0

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-6	S	5.5.25	12:05	2	Grab	1		X	X	X			Incident Number
HA-6	S	5.5.25	12:10	4	Grab	1		X	X	X			nAPP2500627175
~~HA-7~~	S	~~5.5.25~~	~~12:15~~	~~0.5~~	Grab	1		X	X	X			
SG ~~HA-7~~ HA-3	S	5.5.25	12:20	2	Grab	1		X	X	X			
SG ~~HA-7~~ HA-3	S	5.5.25	12:25	4	Grab	1		X	X	X			
SG ~~HA-8~~ HA-7	S	5.5.25	12:30	0.5	Grab	1		X	X	X			
SG ~~HA-8~~ HA-7	S	5.5.25	12:35	2	Grab	1		X	X	X			
SG ~~HA-8~~ HA-7	S	5.5.25	12:40	4	Grab	1		X	X	X			
HA-4	S	5.5.25	12:45	2	Grab	1		X	X	X			

ANALYSIS REQUEST

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		9:10 5/6	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

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:	gmoreno@earthsys.net

Work Order Comments

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

Project Name:	Right Meow 31 CTB 7	Turn Around	
Project Number:	2777	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(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:	-8.2
Total Containers:		Corrected Temperature:	-8.0

Preservative Codes

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

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-4	S	5.5.25	12:50	4	Grab	1		X	X	X			Incident Number
HA-5	S	5.5.25	12:55	2	Grab	1		X	X	X			nAPP2500627175
HA-5	S	5.5.25	13:00	4	Grab	1		X	X	X			
HA-8	S	5.5.25	13:05	0.5	Grab	1		X	X	X			
HA-8	S	5.5.25	13:10	2	Grab	1		X	X	X			
HA-8	S	5.5.25	13:15	4	Grab	1		X	X	X			

Parameters

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			9:16 5/6	2			
3				4			
5				6			

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

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5056.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8098-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 5/12/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Right Meow 31 CTB 7	Project #: 88001228			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
HA-6 (890-8098-1)	5/5/25	12:05 Central	G	Solid			X	X	X	X	X	1	
HA-6 (890-8098-2)	5/5/25	12:10 Central	G	Solid			X	X	X	X	X	1	
HA-3 (890-8098-3)	5/5/25	12:20 Central	G	Solid			X	X	X	X	X	1	
HA-3 (890-8098-4)	5/5/25	12:25 Central	G	Solid			X	X	X	X	X	1	
HA-8 (890-8098-5)	5/5/25	12:30 Central	G	Solid			X	X	X	X	X	1	
HA-8 (890-8098-6)	5/5/25	12:35 Central	G	Solid			X	X	X	X	X	1	
HA-8 (890-8098-7)	5/5/25	12:40 Central	G	Solid			X	X	X	X	X	1	
HA-4 (890-8098-8)	5/5/25	12:45 Central	G	Solid			X	X	X	X	X	1	
HA-4 (890-8098-9)	5/5/25	12:50 Central	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/6 1630				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

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

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5056.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: Texas	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8098-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 5/12/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Right Meow 31 CTB 7	Project #: 88001228			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total_BTEX_GCV	8021B/5035FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep 8015 NM	Total Number of containers	Special Instructions/Note:
Preservation Code:													
HA-5 (890-8098-10)	5/5/25	12:55 Central	G	Solid			X	X	X	X	X	1	
HA-5 (890-8098-11)	5/5/25	13:00 Central	G	Solid			X	X	X	X	X	1	
HA-9 (890-8098-12)	5/5/25	13:05 Central	G	Solid			X	X	X	X	X	1	
HA-9 (890-8098-13)	5/5/25	13:10 Central	G	Solid			X	X	X	X	X	1	
HA-9 (890-8098-14)	5/5/25	13:15 Central	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8098-1
SDG Number: Lea Coutny, NM

Login Number: 8098
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: 890-8098-1
SDG Number: Lea Coutny, NM

Login Number: 8098
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/07/25 07:47 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/15/2025 1:34:45 PM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-8439-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

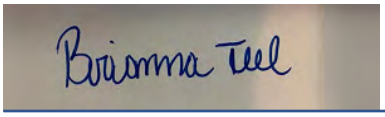
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/15/2025 1:34:45 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: 890-8439-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-8439-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8439-1
Project: Right Meow 31 CTB 7

Job ID: 890-8439-1 Eurofins Carlsbad

Job Narrative
890-8439-1

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

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

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

Receipt
The samples were received on 7/10/2025 12:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (890-8439-1) and CS - 2 (890-8439-2).

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

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113973 and analytical batch 880-113994 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CS - 1 (890-8439-1), CS - 2 (890-8439-2), (890-8438-A-9-B), (890-8438-A-9-C MS) and (890-8438-A-9-D MSD).

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

Client Sample Results

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

Job ID: 890-8439-1
SDG: Lea County, NM

Client Sample ID: CS - 1

Lab Sample ID: 890-8439-1
Matrix: Solid
Date Collected: 07/10/25 10:00
Date Received: 07/10/25 12:43
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		07/11/25 08:30	07/11/25 11:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:30	07/11/25 11:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:30	07/11/25 11:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/25 08:30	07/11/25 11:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/25 08:30	07/11/25 11:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/25 08:30	07/11/25 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:36*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/25 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/14/25 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/10/25 13:21	07/14/25 16:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/10/25 13:21	07/14/25 16:32	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/10/25 13:21	07/14/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*07/10/25 13:21*	*07/14/25 16:32*	*1*
o-Terphenyl	*99*		*70 - 130*	*07/10/25 13:21*	*07/14/25 16:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2560**		50.4		mg/Kg			07/14/25 08:46	5

Client Sample ID: CS - 2

Lab Sample ID: 890-8439-2
Matrix: Solid
Date Collected: 07/10/25 10:05
Date Received: 07/10/25 12:43
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		07/11/25 08:30	07/11/25 13:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 13:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 13:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/11/25 08:30	07/11/25 13:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 13:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/11/25 08:30	07/11/25 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*07/11/25 08:30*	*07/11/25 13:39*	*1*

Client Sample Results

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

Job ID: 890-8439-1
SDG: Lea County, NM

Client Sample ID: CS - 2

Date Collected: 07/10/25 10:05
Date Received: 07/10/25 12:43
Sample Depth: 1

Lab Sample ID: 890-8439-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/11/25 08:30*	*07/11/25 13:39*	*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			07/11/25 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/14/25 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/10/25 13:21	07/14/25 16:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/10/25 13:21	07/14/25 16:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/10/25 13:21	07/14/25 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*07/10/25 13:21*	*07/14/25 16:47*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/10/25 13:21*	*07/14/25 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2440**		50.2		mg/Kg			07/11/25 17:44	5

Surrogate Summary

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

Job ID: 890-8439-1
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)										
890-8439-1	CS - 1	113	85										
890-8439-1 MS	CS - 1	99	96										
890-8439-1 MSD	CS - 1	97	98										
890-8439-2	CS - 2	94	98										
LCS 880-113951/1-A	Lab Control Sample	101	101										
LCSD 880-113951/2-A	Lab Control Sample Dup	99	95										
MB 880-113951/5-A	Method Blank	96	85										

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-8439-1	CS - 1	100	99										
890-8439-2	CS - 2	99	97										
LCS 880-113854/2-A	Lab Control Sample	94	103										
LCSD 880-113854/3-A	Lab Control Sample Dup	100	92										
MB 880-113854/1-A	Method Blank	79	82										

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: 890-8439-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113951/5-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/11/25 08:30	07/11/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:15*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:15*	*1*

Lab Sample ID: LCS 880-113951/1-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08079		mg/Kg		81	70 - 130
Toluene	0.100	0.07916		mg/Kg		79	70 - 130
Ethylbenzene	0.100	0.08871		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1827		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09158		mg/Kg		92	70 - 130

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

Lab Sample ID: LCSD 880-113951/2-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08508		mg/Kg		85	70 - 130	5	35
Toluene	0.100	0.08523		mg/Kg		85	70 - 130	7	35
Ethylbenzene	0.100	0.09520		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1953		mg/Kg		98	70 - 130	7	35
o-Xylene	0.100	0.09856		mg/Kg		99	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-8439-1 MS
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: CS - 1
Prep Type: Total/NA
Prep Batch: 113951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.08468		mg/Kg		85	70 - 130
Toluene	<0.00199	U	0.0992	0.08409		mg/Kg		85	70 - 130

QC Sample Results

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

Job ID: 890-8439-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8439-1 MS
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: CS - 1
Prep Type: Total/NA
Prep Batch: 113951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0992	0.09442		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1920		mg/Kg		97	70 - 130
o-Xylene	<0.00199	U	0.0992	0.09620		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-8439-1 MSD
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: CS - 1
Prep Type: Total/NA
Prep Batch: 113951

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.08854		mg/Kg		88	70 - 130	4	35
Toluene	<0.00199	U	0.101	0.08372		mg/Kg		83	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.101	0.09186		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1846		mg/Kg		92	70 - 130	4	35
o-Xylene	<0.00199	U	0.101	0.09290		mg/Kg		92	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-113854/1-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113854

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		07/10/25 07:59	07/14/25 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/10/25 07:59	07/14/25 09:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/10/25 07:59	07/14/25 09:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*07/10/25 07:59*	*07/14/25 09:41*	*1*
o-Terphenyl	*82*		*70 - 130*	*07/10/25 07:59*	*07/14/25 09:41*	*1*

Lab Sample ID: LCS 880-113854/2-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1047		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: 890-8439-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-113854/2-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113854

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-113854/3-A
Matrix: Solid
Analysis Batch: 114088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113854

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	935.7		mg/Kg		94	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	855.5		mg/Kg		86	70 - 130	20	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113973/1-A
Matrix: Solid
Analysis Batch: 113994

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			07/11/25 15:28	1

Lab Sample ID: LCS 880-113973/2-A
Matrix: Solid
Analysis Batch: 113994

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.7		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-113973/3-A
Matrix: Solid
Analysis Batch: 113994

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	232.9		mg/Kg		93	90 - 110	0	20

QC Association Summary

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

Job ID: 890-8439-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 113947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8439-1	CS - 1	Total/NA	Solid	8021B	113951
890-8439-2	CS - 2	Total/NA	Solid	8021B	113951
MB 880-113951/5-A	Method Blank	Total/NA	Solid	8021B	113951
LCS 880-113951/1-A	Lab Control Sample	Total/NA	Solid	8021B	113951
LCSD 880-113951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113951
890-8439-1 MS	CS - 1	Total/NA	Solid	8021B	113951
890-8439-1 MSD	CS - 1	Total/NA	Solid	8021B	113951

Prep Batch: 113951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8439-1	CS - 1	Total/NA	Solid	5035	
890-8439-2	CS - 2	Total/NA	Solid	5035	
MB 880-113951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8439-1 MS	CS - 1	Total/NA	Solid	5035	
890-8439-1 MSD	CS - 1	Total/NA	Solid	5035	

Analysis Batch: 114030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8439-1	CS - 1	Total/NA	Solid	Total BTEX	
890-8439-2	CS - 2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8439-1	CS - 1	Total/NA	Solid	8015NM Prep	
890-8439-2	CS - 2	Total/NA	Solid	8015NM Prep	
MB 880-113854/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113854/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8439-1	CS - 1	Total/NA	Solid	8015B NM	113854
890-8439-2	CS - 2	Total/NA	Solid	8015B NM	113854
MB 880-113854/1-A	Method Blank	Total/NA	Solid	8015B NM	113854
LCS 880-113854/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113854
LCSD 880-113854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113854

Analysis Batch: 114205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8439-1	CS - 1	Total/NA	Solid	8015 NM	
890-8439-2	CS - 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8439-1	CS - 1	Soluble	Solid	DI Leach	
890-8439-2	CS - 2	Soluble	Solid	DI Leach	

QC Association Summary

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

Job ID: 890-8439-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 113973 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113973/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113973/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113973/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 113994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8439-1	CS - 1	Soluble	Solid	300.0	113973
890-8439-2	CS - 2	Soluble	Solid	300.0	113973
MB 880-113973/1-A	Method Blank	Soluble	Solid	300.0	113973
LCS 880-113973/2-A	Lab Control Sample	Soluble	Solid	300.0	113973
LCSD 880-113973/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113973

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8439-1
Project/Site: Right Meow 31 CTB 7
SDG: Lea County, NM

Client Sample ID: CS - 1
Lab Sample ID: 890-8439-1
Date Collected: 07/10/25 10:00
Matrix: Solid
Date Received: 07/10/25 12:43

Prep 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	113951	07/11/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/11/25 11:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114030	07/11/25 11:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			114205	07/14/25 16:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	113854	07/10/25 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 16:32	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113973	07/11/25 09:53	SI	EET MID
Soluble	Analysis	300.0		5			113994	07/14/25 08:46	SMC	EET MID

Client Sample ID: CS - 2
Lab Sample ID: 890-8439-2
Date Collected: 07/10/25 10:05
Matrix: Solid
Date Received: 07/10/25 12:43

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	113951	07/11/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/11/25 13:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114030	07/11/25 13:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			114205	07/14/25 16:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113854	07/10/25 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114088	07/14/25 16:47	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113973	07/11/25 09:53	SI	EET MID
Soluble	Analysis	300.0		5			113994	07/11/25 17:44	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8439-1
Project/Site: Right Meow 31 CTB 7
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

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

Job ID: 890-8439-1
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: 890-8439-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8439-1	CS - 1	Solid	07/10/25 10:00	07/10/25 12:43	1
890-8439-2	CS - 2	Solid	07/10/25 10:05	07/10/25 12:43	1

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Chain of Custody

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

www.xenco.com Page 1 of 1

Work Order No: _____

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

Work Order Comments

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

Project Name:	Right Meow 31 CTB 7	**Turn Around**	
Project Number:	VP- 21525	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21480474		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	Meco 7	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.7	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.6	
Total Containers:		Corrected Temperature:	0.4	

ANALYSIS REQUEST

890-8439 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI	Hold	24 Hr Rush
CS-1	S	7.10.25	10:00	1	Comp	1		X	X	X							
CS-2	S	7.10.25	10:05	1	Comp	1		X	X	X							

Preservative Codes

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

Sample Comments

Incident Number
nAPP2500627175

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		12:43 7/10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8439-1
SDG Number: Lea County, NM

Login Number: 8439
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8439-1
SDG Number: Lea County, NM

Login Number: 8439
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 07/11/25 08:33 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/15/2025 1:35:56 PM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County, NM

JOB NUMBER

890-8440-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

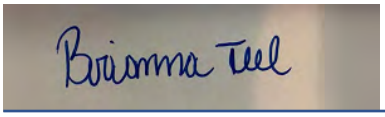
Eurofins Carlsbad

Job Notes

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

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

Authorization



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7/15/2025 1:35:56 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: 890-8440-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-8440-1
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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8440-1
Project: Right Meow 31 CTB 7

Job ID: 890-8440-1 Eurofins Carlsbad

Job Narrative
890-8440-1

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

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

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

Receipt
The sample was received on 7/10/2025 12:43 PM. 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 0.4°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW-1 (890-8440-1).

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

Diesel Range Organics
Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-113943 and analytical batch 880-114090 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-113943/2-A) and (LCSD 880-113943/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113973 and analytical batch 880-113994 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: SW-1 (890-8440-1), (890-8438-A-9-B), (890-8438-A-9-C MS) and (890-8438-A-9-D MSD).

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

Client Sample Results

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

Job ID: 890-8440-1
SDG: Lea County, NM

Client Sample ID: SW-1

Date Collected: 07/10/25 10:10
Date Received: 07/10/25 12:43
Sample Depth: 0 - 1

Lab Sample ID: 890-8440-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 14:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 14:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 14:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/25 08:30	07/11/25 14:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 14:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/25 08:30	07/11/25 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*07/11/25 08:30*	*07/11/25 14:00*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/11/25 08:30*	*07/11/25 14:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/11/25 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/14/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *+	50.1		mg/Kg		07/11/25 07:58	07/14/25 17:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U *+	50.1		mg/Kg		07/11/25 07:58	07/14/25 17:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/11/25 07:58	07/14/25 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*07/11/25 07:58*	*07/14/25 17:03*	*1*
o-Terphenyl	*87*		*70 - 130*	*07/11/25 07:58*	*07/14/25 17:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**742**		9.98		mg/Kg			07/11/25 17:49	1

Surrogate Summary

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

Job ID: 890-8440-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-8440-1	SW-1	89	95										
LCS 880-113951/1-A	Lab Control Sample	101	101										
LCSD 880-113951/2-A	Lab Control Sample Dup	99	95										
MB 880-113951/5-A	Method Blank	96	85										

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-8440-1	SW-1	88	87										
LCS 880-113943/2-A	Lab Control Sample	138 S1+	158 S1+										
LCSD 880-113943/3-A	Lab Control Sample Dup	140 S1+	160 S1+										
MB 880-113943/1-A	Method Blank	98	100										

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: 890-8440-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113951/5-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/11/25 08:30	07/11/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:15*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:15*	*1*

Lab Sample ID: LCS 880-113951/1-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113951

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08079		mg/Kg		81	70 - 130		
Toluene			0.100	0.07916		mg/Kg		79	70 - 130		
Ethylbenzene			0.100	0.08871		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1827		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09158		mg/Kg		92	70 - 130		

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

Lab Sample ID: LCSD 880-113951/2-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113951

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08508		mg/Kg		85	70 - 130	5	35
Toluene			0.100	0.08523		mg/Kg		85	70 - 130	7	35
Ethylbenzene			0.100	0.09520		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1953		mg/Kg		98	70 - 130	7	35
o-Xylene			0.100	0.09856		mg/Kg		99	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

QC Sample Results

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

Job ID: 890-8440-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-113943/1-A
Matrix: Solid
Analysis Batch: 114090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113943

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		07/11/25 07:50	07/14/25 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/25 07:50	07/14/25 09:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/25 07:50	07/14/25 09:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*07/11/25 07:50*	*07/14/25 09:41*	*1*
o-Terphenyl	*100*		*70 - 130*	*07/11/25 07:50*	*07/14/25 09:41*	*1*

Lab Sample ID: LCS 880-113943/2-A
Matrix: Solid
Analysis Batch: 114090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1342	*+	mg/Kg		134	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1556	*+	mg/Kg		156	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*138*	*S1+*	*70 - 130*
o-Terphenyl	*158*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-113943/3-A
Matrix: Solid
Analysis Batch: 114090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113943

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1317	*+	mg/Kg		132	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1572	*+	mg/Kg		157	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*140*	*S1+*	*70 - 130*
o-Terphenyl	*160*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113973/1-A
Matrix: Solid
Analysis Batch: 113994

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			07/11/25 15:28	1

QC Sample Results

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

Job ID: 890-8440-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-113973/2-A
Matrix: Solid
Analysis Batch: 113994

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.7		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-113973/3-A
Matrix: Solid
Analysis Batch: 113994

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	232.9		mg/Kg		93	90 - 110	0	20

QC Association Summary

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

Job ID: 890-8440-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 113947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8440-1	SW-1	Total/NA	Solid	8021B	113951
MB 880-113951/5-A	Method Blank	Total/NA	Solid	8021B	113951
LCS 880-113951/1-A	Lab Control Sample	Total/NA	Solid	8021B	113951
LCSD 880-113951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113951

Prep Batch: 113951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8440-1	SW-1	Total/NA	Solid	5035	
MB 880-113951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 114032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8440-1	SW-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8440-1	SW-1	Total/NA	Solid	8015NM Prep	
MB 880-113943/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113943/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113943/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8440-1	SW-1	Total/NA	Solid	8015B NM	113943
MB 880-113943/1-A	Method Blank	Total/NA	Solid	8015B NM	113943
LCS 880-113943/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113943
LCSD 880-113943/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113943

Analysis Batch: 114202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8440-1	SW-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8440-1	SW-1	Soluble	Solid	DI Leach	
MB 880-113973/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113973/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113973/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 113994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8440-1	SW-1	Soluble	Solid	300.0	113973
MB 880-113973/1-A	Method Blank	Soluble	Solid	300.0	113973
LCS 880-113973/2-A	Lab Control Sample	Soluble	Solid	300.0	113973
LCSD 880-113973/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113973

Lab Chronicle

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

Job ID: 890-8440-1
SDG: Lea County, NM

Client Sample ID: SW-1

Date Collected: 07/10/25 10:10
Date Received: 07/10/25 12:43

Lab Sample ID: 890-8440-1

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	113951	07/11/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/11/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114032	07/11/25 14:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			114202	07/14/25 17:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	113943	07/11/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114090	07/14/25 17:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113973	07/11/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1			113994	07/11/25 17:49	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8440-1
Project/Site: Right Meow 31 CTB 7
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

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

Job ID: 890-8440-1
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: 890-8440-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8440-1	SW-1	Solid	07/10/25 10:10	07/10/25 12:43	0 - 1

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Right Meow 31 CTB 7	**Turn Around**	
Project Number:	VP- 21525	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:	21480474		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TMOC 7	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.6	
Total Containers:		Corrected Temperature:	0.4	

ANALYSIS REQUEST

890-8440 Chain of Custody

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Parameters: TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI		Hold	24 Hr Rush				Sample Comments
SW-1	S	7.10.25	10:10	0-1	Comp	1	X	X	X												Incident Number
																					nAPP2500627175

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

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

Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		12:43 7/10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8440-1
SDG Number: Lea County, NM

Login Number: 8440
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8440-1
SDG Number: Lea County, NM

Login Number: 8440
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 07/11/25 08:33 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/14/2025 4:03:57 PM

JOB DESCRIPTION

Right Meow 31 CTB 7
Lea County. NM

JOB NUMBER

890-8441-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

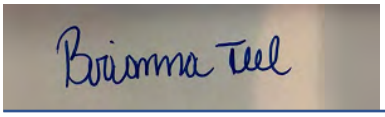
Eurofins Carlsbad

Job Notes

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

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

Authorization



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7/14/2025 4:03:57 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: 890-8441-1
SDG: Lea County. NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-8441-1
SDG: Lea County. NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8441-1
Project: Right Meow 31 CTB 7

Job ID: 890-8441-1 Eurofins Carlsbad

Job Narrative
890-8441-1

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

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

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

Receipt
The sample was received on 7/10/2025 12:43 PM. 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 0.4°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: SW - 2 (890-8441-1).

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

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113973 and analytical batch 880-113994 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: SW - 2 (890-8441-1), (890-8438-A-9-B), (890-8438-A-9-C MS) and (890-8438-A-9-D MSD).

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

Client Sample Results

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

Job ID: 890-8441-1
SDG: Lea County. NM

Client Sample ID: SW - 2

Date Collected: 07/10/25 10:20
Date Received: 07/10/25 12:43
Sample Depth: 0 - 1

Lab Sample ID: 890-8441-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 14:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/11/25 08:30	07/11/25 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 14:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/11/25 08:30	07/11/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/11/25 08:30*	*07/11/25 14:20*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/11/25 08:30*	*07/11/25 14:20*	*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			07/11/25 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/25 23:43	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		07/11/25 10:03	07/11/25 23:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/25 10:03	07/11/25 23:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/25 10:03	07/11/25 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/11/25 10:03*	*07/11/25 23:43*	*1*
o-Terphenyl	*101*		*70 - 130*	*07/11/25 10:03*	*07/11/25 23:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**796**		9.90		mg/Kg			07/11/25 17:55	1

Surrogate Summary

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

Job ID: 890-8441-1
SDG: Lea County. NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-8441-1	SW - 2	97	92										
LCS 880-113951/1-A	Lab Control Sample	101	101										
LCSD 880-113951/2-A	Lab Control Sample Dup	99	95										
MB 880-113951/5-A	Method Blank	96	85										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-8441-1	SW - 2	104	101										
LCS 880-113975/2-A	Lab Control Sample	116	105										
LCSD 880-113975/3-A	Lab Control Sample Dup	119	108										
MB 880-113975/1-A	Method Blank	101	101										

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: 890-8441-1
SDG: Lea County. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113951/5-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/25 08:30	07/11/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/11/25 08:30	07/11/25 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:15*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/11/25 08:30*	*07/11/25 11:15*	*1*

Lab Sample ID: LCS 880-113951/1-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113951

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08079		mg/Kg		81	70 - 130		
Toluene			0.100	0.07916		mg/Kg		79	70 - 130		
Ethylbenzene			0.100	0.08871		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1827		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09158		mg/Kg		92	70 - 130		

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

Lab Sample ID: LCSD 880-113951/2-A
Matrix: Solid
Analysis Batch: 113947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113951

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08508		mg/Kg		85	70 - 130	5	35
Toluene			0.100	0.08523		mg/Kg		85	70 - 130	7	35
Ethylbenzene			0.100	0.09520		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1953		mg/Kg		98	70 - 130	7	35
o-Xylene			0.100	0.09856		mg/Kg		99	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

QC Sample Results

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

Job ID: 890-8441-1
SDG: Lea County. NM

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

Lab Sample ID: MB 880-113975/1-A
Matrix: Solid
Analysis Batch: 113978

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113975

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		07/11/25 10:03	07/11/25 18:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/25 10:03	07/11/25 18:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/25 10:03	07/11/25 18:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*07/11/25 10:03*	*07/11/25 18:24*	*1*
o-Terphenyl	*101*		*70 - 130*	*07/11/25 10:03*	*07/11/25 18:24*	*1*

Lab Sample ID: LCS 880-113975/2-A
Matrix: Solid
Analysis Batch: 113978

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113975

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1073		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1011		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-113975/3-A
Matrix: Solid
Analysis Batch: 113978

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113975

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1131		mg/Kg		113	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1057		mg/Kg		106	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113973/1-A
Matrix: Solid
Analysis Batch: 113994

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			07/11/25 15:28	1

QC Sample Results

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

Job ID: 890-8441-1
SDG: Lea County. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-113973/2-A
Matrix: Solid
Analysis Batch: 113994

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	232.7		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-113973/3-A
Matrix: Solid
Analysis Batch: 113994

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	232.9		mg/Kg		93	90 - 110	0	20

QC Association Summary

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

Job ID: 890-8441-1
SDG: Lea County. NM

GC VOA

Analysis Batch: 113947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8441-1	SW - 2	Total/NA	Solid	8021B	113951
MB 880-113951/5-A	Method Blank	Total/NA	Solid	8021B	113951
LCS 880-113951/1-A	Lab Control Sample	Total/NA	Solid	8021B	113951
LCSD 880-113951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113951

Prep Batch: 113951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8441-1	SW - 2	Total/NA	Solid	5035	
MB 880-113951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 114033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8441-1	SW - 2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8441-1	SW - 2	Total/NA	Solid	8015NM Prep	
MB 880-113975/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113975/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8441-1	SW - 2	Total/NA	Solid	8015B NM	113975
MB 880-113975/1-A	Method Blank	Total/NA	Solid	8015B NM	113975
LCS 880-113975/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113975
LCSD 880-113975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113975

Analysis Batch: 114144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8441-1	SW - 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8441-1	SW - 2	Soluble	Solid	DI Leach	
MB 880-113973/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113973/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113973/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 113994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8441-1	SW - 2	Soluble	Solid	300.0	113973
MB 880-113973/1-A	Method Blank	Soluble	Solid	300.0	113973
LCS 880-113973/2-A	Lab Control Sample	Soluble	Solid	300.0	113973
LCSD 880-113973/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113973

Lab Chronicle

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

Job ID: 890-8441-1
SDG: Lea County. NM

Client Sample ID: SW - 2

Date Collected: 07/10/25 10:20
Date Received: 07/10/25 12:43

Lab Sample ID: 890-8441-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	113951	07/11/25 08:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113947	07/11/25 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114033	07/11/25 14:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			114144	07/11/25 23:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113975	07/11/25 10:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113978	07/11/25 23:43	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113973	07/11/25 09:53	SI	EET MID
Soluble	Analysis	300.0		1			113994	07/11/25 17:55	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8441-1
Project/Site: Right Meow 31 CTB 7
SDG: Lea County. NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

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

Job ID: 890-8441-1
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: 890-8441-1
SDG: Lea County. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8441-1	SW - 2	Solid	07/10/25 10:20	07/10/25 12:43	0 - 1

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Chain of Custody

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

Work Order No: _____

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

Work Order Comments

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

Project Name:	Right Meow 31 CTB 7	Turn Around	☑ Routine ☐ Rush
Project Number:	VP- 21525	Due Date:	Routine
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Gilbert Moreno		
PO/WO #:	21480474		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	Tmoo7	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.6	
Total Containers:		Corrected Temperature:	0.4	

ANALYSIS REQUEST

890-8441 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI		Hold	24 Hr Rush			
SW- 2	S	7.10.25	10:20	0-1	Comp	1		X	X	X											

Parameters

Preservative Codes

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

Sample Comments

Incident Number
nAPP2500627175

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		12:43 7/10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8441-1
SDG Number: Lea County. NM

Login Number: 8441
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8441-1
SDG Number: Lea County. NM

Login Number: 8441
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 07/11/25 08:34 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 491949

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 491949
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2500627175**
Incident Name	**NAPP2500627175 RIGHT MEOW 31 CTB 7 @ 0**
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	12/29/2024
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 | Flow Line - Production | Produced Water | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 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)	2" vict clamp developed leak. This allowed approx. 5 bbls produced water to be released to pad surface.

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 491949
	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)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 08/05/2025

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QUESTIONS (continued)

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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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	17600
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	07/07/2025
On what date will (or did) the final sampling or liner inspection occur	07/10/2025
On what date will (or was) the remediation complete(d)	07/23/2025
What is the estimated surface area (in square feet) that will be reclaimed	3760
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	300
What is the estimated volume (in cubic yards) that will be remediated	12
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 08/05/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**482175**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/10/2025**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**330**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	300
What was the total volume (cubic yards) remediated	12
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	The Site was remediated according to Site Closure Criteria and has been backfilled with clean, locally sourced material.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 08/05/2025

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	8/27/2025