

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:

- o Between 1 and 5 miles of any continuously flowing watercourse or any other significant watercourse;
- o Between 1 and 5 miles of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- o Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- 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;

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- o Between 1 and 5 miles of any wetland;
- Greater than 5 miles of any subsurface mine;
- o 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.

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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.

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



Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno

Carlsbad Operations Manager/ Project Geologist

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

Kris Williams, CHMM, REM

Kris Williams

Principal

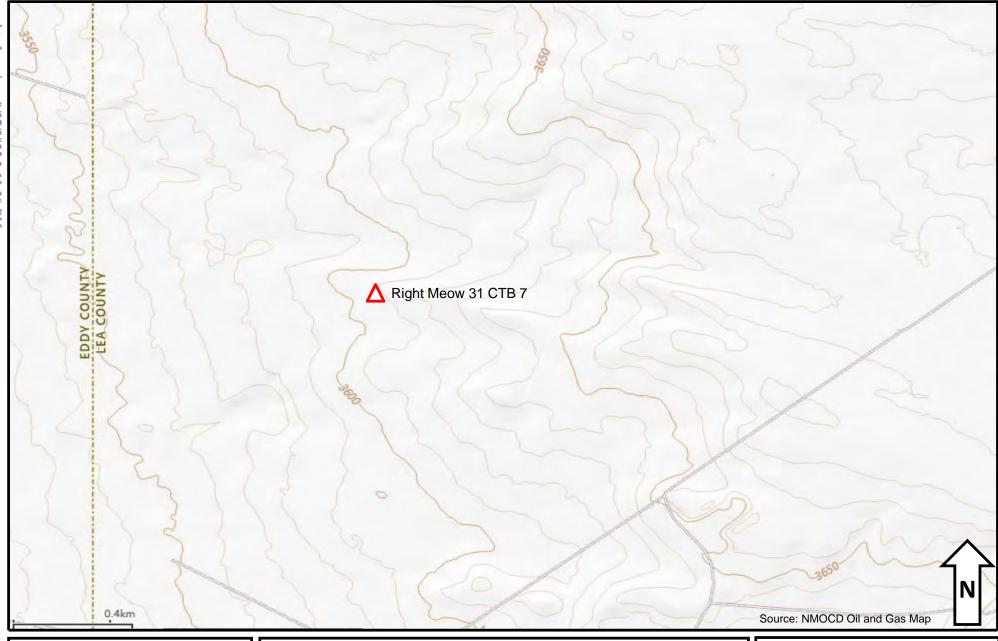




Figure 1 – Site Map



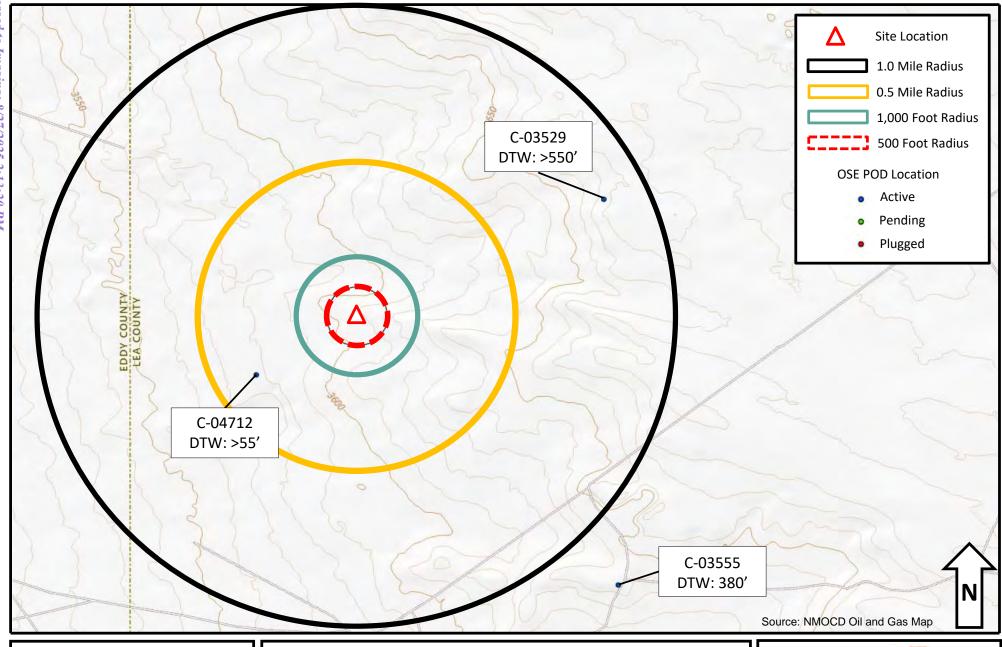




Figure 1A – Ground Water





Figure 1B – Karst Potential





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





Figure 4 – Future Restoration Areas



PAGE 1 OF 2

WELL TAG ID NO.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

| NO | OSE POD NO. (| WELL NO.) | POD I | WELL TAG ID NO. | OSI | OSE FILE NO(S). C-4712 | | | | |
|----------------------------------|--------------------------------------|-----------|-----------------------------|---|--|----------------------------|--|--------------------------------------|-------------------------|--|
| OCATI | WELL OWNER | NAME(S) | Petroleum | Company | PHO | ONE (OPTIO | ONAL) | | | |
| WELLI | WELL OWNER | BOK " | | | СП | Rosu | sell | NM | 21P 2020Z | |
| 1. GENERAL AND WELL LOCATION | WELL LOCATION (FROM GPS) DESCRIPTION | LONG | TUDE SITUDE - 1 | STREET ADDRESS AND COMMON LANDIN | 1 N A | * DATED (DECUMPED, WCC 84 | | | | |
| | LICENSE NO. 1833 DRILLING ST. | ARTED | 1 | DEPTH OF COMPLETED WELL (FT) | BORE HOLE DE | EPTH (FT) | NAME OF WELL DRI | Resource | | |
| NOI | COMPLETED | | 3 9 23 | DRY HOLE SHALLOW (UNCO | (FT) | | | DATE STATIC MEASURE | | |
| ORMAT | DRILLING ME | 127 | ROTARY HAMM | | | | CHECK HERE IF PITLESS ADAPTER IS INSTALLED | | | |
| ASING INFO | FROM TO I | | 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 | |
| 2. DRILLING & CASING INFORMATION | 45 | 45 | 6 | 2" pre sch40 2" pre sch40 | Thre | 1 | 2" 2" | 5ch40 | 5 .02 | |
| 2 | | | | | | | OSE ON APR | 4 2023 pm(-2 | 2 | |
| ITAL | DEPTH (| feet bgl) | 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 METHOD ((cubic feet) PLACEME | | | |
| 3. ANNULAR MATERIAL | | | | Mone Pulle | d Ar | d | Plugge | d | | |

LOCATION

on 23.32.31.141

| | DEPTH (| feet bgl) | 15.50.00 | COLOR AN | D TYPE OF MA | TERIAL F | NCOUN | TERED - | " | ATED | ESTIMATED |
|------------------------------|--|---|---------------------|--|---------------------------|----------|--------|----------------------------|-------------------------|----------------------------|---|
| | FROM | то | THICKNESS (feet) | INCLUDE WATE | | VITIES O | R FRAC | TURE ZONES | BE | ATER ARING? ES / NO) | YIELD FOR WATER- BEARING ZONES (gpm) |
| | 0 | 20 | 20 | White | Calic | ne | | | Y | N | |
| | 20 | 45 | 25 | Brows | Fine So | and | | | Y | N | |
| | 45 | 55 | 10 | 0 1 | 1 04 | che | | | Y | N | |
| 4.1 | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| 3 | | | | | | | | | Y | N | |
| 4. HYDROGEOLOGIC LOG OF WELL | | | | | | | | | Y | N | |
| OF | | | 7 | | | | | | Y | N | |
| FOG | | | | | | | | | Y | N | |
| SIC | | | | | | | | | Y | N | |
| 070 | | | | | | | | | Y | N | |
| GEC | | | | | | | | | Y | N | |
| ORO | | | | | | | | | Y | N | |
| HX | | | | | | | | | Y | N | |
| 4 | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | | | | | | | | | Y | N | |
| | METHOD U | JSED TO ES | STIMATE YIELD | OF WATER-BEARING | G STRATA: | | | | TOTAL EST | | 7 |
| | PUM | P \bar{\bar{\bar{\bar{\bar{\bar{\bar{\b | IR LIFT | BAILER OT | HER - SPECIFY | : | | | WELL YIE | LD (gpm): | try |
| ERVISION | 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: | | | | | | | | | | |
| 5. TEST; RIG SUPERVISION | OSE DN APR 4 2023 ML:23 | | | | | | | | | | |
| S. TES | PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: | | | | | | | | | | |
| 6. SIGNATURE | CORRECT | RECORD C | F THE ABOVE D | IES THAT, TO THE BESCRIBED HOLE AND DAYS AFTER COM | D THAT HE OR PLETION OF W | SHE WIL | L FILE | GE AND BELL THIS WELL R | EF, THE FO ECORD WIT | REGOING THE ST | IS A TRUE AND ATE ENGINEER |
| .9 | | SIGNAT | URE OF DRIVLE | R / PRINT SIGNEE | | | - | _ | | DATE | |
| | | V | | | | | | | | | |
| | | NIAY TIOT | | | | | | | | | |
| | E NO. | | 2- POD | | POD NO. | 1 | | TRN NO. | - | & LOG (V | ersion 09/22/2022) |

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





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

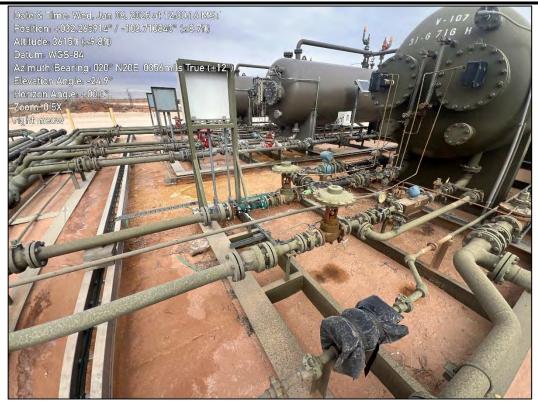


PHOTO 2: Northeastern view during initial site assessment. 01/08/2025





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

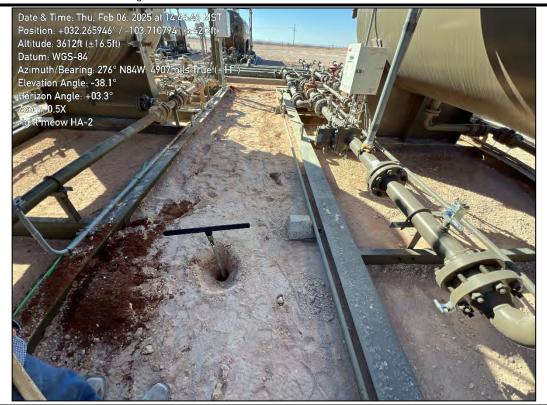


PHOTO 4: Northwestern view during delineation activities. 02/06/2025



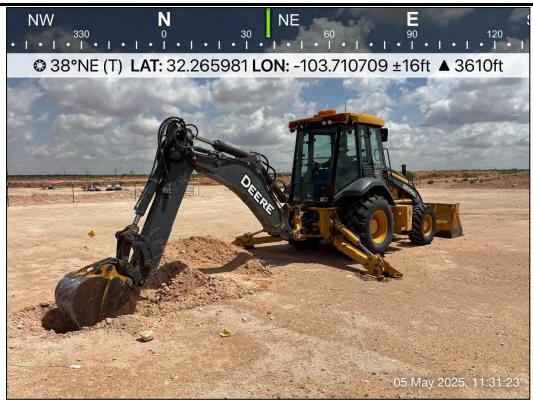


PHOTO 5: Northeastern view during delineation activities. 05/05/2025



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





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



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

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



| 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 Closur Release (NMAC 19.15.: | | s Impacted by a | 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 |

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



| 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 Closur Release (NMAC 19.15.2 | | s Impacted by a | 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.



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

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



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

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

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



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

CONDITIONS

| Create 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 |

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

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

Brianna Tel

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

Authorized for release by Brianna Teel, Project Manager Brianna.Teel@et.eurofinsus.com (432)704-5440 2

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

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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-7646-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

S1-Surrogate recovery exceeds control limits, low biased. 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

Percent Recovery %R 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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML Most Probable Number MPN Method Quantitation Limit MQL

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)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Eurofins Carlsbad

Job ID: 890-7646-1

Case Narrative

Client: Earth Systems Response and Restoration

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.

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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

Sample Depth: 0.5

Lab Sample ID: 890-7646-1

Matrix: Solid

| 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 | | | DI | MDI | Unit | n | Propared | Analyzod | Dil Ea |
| | | | DI. | MDI | l l m i á | | Drawayad | Amalumad | Dil Fa |
| Method: TAL SOP Total BTEX Analyte Total BTEX | | Qualifier | | MDL | Unit mg/Kg | <u>D</u> | Prepared | Analyzed 02/10/25 17:52 | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Die | Result <0.00398 esel Range Organ | Qualifier U | 0.00398 GC) | | mg/Kg | _ = | <u> </u> | 02/10/25 17:52 | 1 |
| Analyte Total BTEX Method: SW846 8015 NM - Die Analyte | Result <0.00398 esel Range Organ Result | Qualifier U ics (DRO) (Qualifier | 0.00398 GC) | MDL | mg/Kg | D D | Prepared Prepared | 02/10/25 17:52 Analyzed | 1 |
| Analyte Total BTEX Method: SW846 8015 NM - Die | Result <0.00398 esel Range Organ | Qualifier U ics (DRO) (Qualifier | 0.00398 GC) | | mg/Kg | _ = | <u> </u> | 02/10/25 17:52 | 1 |
| Analyte Total BTEX Method: SW846 8015 NM - Die Analyte | Result <0.00398 esel Range Organ Result <49.8 | Qualifier U ics (DRO) (Qualifier U | 0.00398 GC) RL 49.8 | | mg/Kg | _ = | <u> </u> | 02/10/25 17:52 Analyzed | 1 |
| Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH | Result <0.00398 esel Range Organ Result <49.8 Diesel Range Orga | Qualifier U ics (DRO) (Qualifier U | 0.00398 GC) RL 49.8 | | mg/Kg Unit mg/Kg | _ = | <u> </u> | 02/10/25 17:52 Analyzed | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die | Result <0.00398 esel Range Organ Result <49.8 Diesel Range Orga | Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier | 0.00398 GC) RL 49.8 (GC) | MDL | mg/Kg Unit mg/Kg | <u>D</u> | Prepared | 02/10/25 17:52 Analyzed 02/10/25 19:20 | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics | esel Range Organ Result <49.8 Diesel Range Orga Result Result Result Result Result Result Result Result | Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U | 0.00398 GC) RL 49.8 (GC) RL | MDL | mg/Kg Unit mg/Kg Unit | <u>D</u> | Prepared Prepared | 02/10/25 17:52 Analyzed 02/10/25 19:20 Analyzed | Dil Fac |

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed 198 02/10/25 20:46 Chloride 14200 mg/Kg

Limits

70 - 130

70 - 130

Client Sample ID: HA-1

%Recovery Qualifier

64 S1-

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

Sample Depth: 2

Surrogate 1-Chlorooctane

o-Terphenyl

| Method: SW846 8021B - Volati | le Organic Comp | ounds (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

Dil Fac

Matrix: Solid

Analyzed

02/10/25 19:20

02/10/25 19:20

Lab Sample ID: 890-7646-2

Prepared

02/09/25 21:25

02/09/25 21:25

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 13:05 Date Received: 02/07/25 11:59

Sample Depth: 2

Lab Sample ID: 890-7646-2

Matrix: Solid

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Lab Sample ID: 890-7646-3 Client Sample ID: HA-1

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 Toluene <0.00200 U 0.00200 02/07/25 15:48 02/10/25 18:33 mg/Kg Ethylbenzene <0.00200 U 0.00200 02/07/25 15:48 02/10/25 18:33 mg/Kg 0.00399 02/10/25 18:33 m-Xylene & p-Xylene <0.00399 U 02/07/25 15:48 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 02/07/25 15:48 02/10/25 18:33 Xylenes, Total <0.00399 U 0.00399 mg/Kg 02/07/25 15:48 02/10/25 18:33

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.8 U Total TPH 49.8 02/10/25 20:01 mg/Kg

Eurofins Carlsbad

Dil Fac

Matrix: Solid

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 13:10 Date Received: 02/07/25 11:59

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

Sample Depth: 4

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------------|-------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <49.8 | U | 49.8 | | mg/Kg | | 02/09/25 21:25 | 02/10/25 20:01 | 1 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | <49.8 | U | 49.8 | | mg/Kg | | 02/09/25 21:25 | 02/10/25 20:01 | 1 |
| C10-C28) | | | | | | | | | |
| 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 | Chromatograp | hy - Solubl | e | | | | | | |
| | Pocult | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte | Result | Qualifici | | | | _ | | | |

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

| 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 - T | otal BTEX Cald | culation | | | | | | | |
| 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 - Diese | I Range Organ | ics (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 - Dies | sel Range Orga | nics (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 |
| | | | | | | | | | |

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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

Sample Depth: 0.5

| Method: EPA 300.0 - Anions, Ion C | hromatograp | hy - Soluble | 9 | | | | | | |
|-----------------------------------|-------------|--------------|-----|-----|-------|---|----------|----------------|---------|
| 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 Matrix: Solid

Date Collected: 02/06/25 13:20 Date Received: 02/07/25 11:59

Sample Depth: 2

| 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 | al BTEX Cald | culation | | | | | | | |
|------------------------------------|--------------|-----------|---------|-----|-------|---|----------|----------------|---------|
| 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 F | Range Organ | ics (DRO) (0 | 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 |

| 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 C | hromatograp | hy - Solubl | е | | | | | | | |
|-----------------------------------|-------------|-------------|------|-----|-------|---|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | | Prepared | Analyzed | Dil Fac |
| Chloride | 2680 | F1 | 49.9 | | mg/Kg | | _ | | 02/10/25 21:10 | 5 |

Eurofins Carlsbad

Client: Earth Systems Response and Restoration

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

Project/Site: Right Meow 31 CTB 7

Lab Sample ID: 890-7646-6

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

Client Sample ID: HA-2

Matrix: Solid

Sample Depth: 4

| 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 - 1 | Total BTEX Cald | ulation | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00402 | O | 0.00402 | | mg/Kg | | | 02/10/25 19:34 | 1 |
| Method: SW846 8015 NM - Diese | I Dongo Organ | (000) | | | | | | | |
| | • | | • | MDI | Unit | D | Prenared | Analyzed | Dil Fac |
| Analyte | Result | Qualifier | RL | MDL | | <u>D</u> | Prepared | Analyzed 02/10/25 21:03 | Dil Fac |
| | • | Qualifier | • | MDL | Unit mg/Kg | <u>D</u> | Prepared | Analyzed 02/10/25 21:03 | |
| Analyte Total TPH | Result | Qualifier U | RL 49.8 | MDL | | <u>D</u> | Prepared | | |
| Analyte | Result <49.8 | Qualifier U | RL 49.8 | MDL | mg/Kg | <u>D</u> | Prepared Prepared | | 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies | Result <49.8 | Qualifier Unics (DRO) Qualifier | RL 49.8 | | mg/Kg | _ = | <u> </u> | 02/10/25 21:03 | 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics | Result <49.8 sel Range Orga Result | Qualifier U nics (DRO) Qualifier U | RL 49.8 (GC) | | mg/Kg | _ = | Prepared | 02/10/25 21:03 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <49.8 sel Range Orga Result <49.8 | Qualifier U nics (DRO) Qualifier U | RL 49.8 (GC) RL 49.8 | | mg/Kg Unit mg/Kg | _ = | Prepared 02/09/25 21:25 | 02/10/25 21:03 Analyzed 02/10/25 21:03 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.8 sel Range Orga Result <49.8 <49.8 | Qualifier U nics (DRO) Qualifier U U | RL 49.8 (GC) RL 49.8 49.8 | | mg/Kg Unit mg/Kg mg/Kg | _ = | Prepared 02/09/25 21:25 02/09/25 21:25 | 02/10/25 21:03 Analyzed 02/10/25 21:03 02/10/25 21:03 | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result <49.8 | Qualifier U nics (DRO) Qualifier U U | RL 49.8 (GC) RL 49.8 49.8 49.8 | | mg/Kg Unit mg/Kg mg/Kg | _ = | Prepared 02/09/25 21:25 02/09/25 21:25 02/09/25 21:25 | 02/10/25 21:03 Analyzed 02/10/25 21:03 02/10/25 21:03 02/10/25 21:03 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate | Result <49.8 | Qualifier U nics (DRO) Qualifier U U Qualifier | RL 49.8 (GC) RL 49.8 49.8 49.8 Limits | | mg/Kg Unit mg/Kg mg/Kg | _ = | Prepared 02/09/25 21:25 02/09/25 21:25 02/09/25 21:25 Prepared | 02/10/25 21:03 Analyzed 02/10/25 21:03 02/10/25 21:03 02/10/25 21:03 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result <49.8 | Qualifier U nics (DRO) Qualifier U U Qualifier S1- S1- | RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130 | | mg/Kg Unit mg/Kg mg/Kg | _ = | Prepared 02/09/25 21:25 02/09/25 21:25 02/09/25 21:25 Prepared 02/09/25 21:25 | 02/10/25 21:03 Analyzed 02/10/25 21:03 02/10/25 21:03 02/10/25 21:03 Analyzed 02/10/25 21:03 | Dil Fac 1 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Result <49.8 | Qualifier U nics (DRO) Qualifier U U Qualifier S1- S1- | RL 49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130 | | mg/Kg Unit mg/Kg mg/Kg mg/Kg | _ = | Prepared 02/09/25 21:25 02/09/25 21:25 02/09/25 21:25 Prepared 02/09/25 21:25 | 02/10/25 21:03 Analyzed 02/10/25 21:03 02/10/25 21:03 02/10/25 21:03 Analyzed 02/10/25 21:03 | Dil Fac 1 1 1 Dil Fac 1 |

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) |
|---------------------|------------------------|----------|----------|--|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (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 | | | | |

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) | |
| 890-7646-1 | 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 | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Lab Sample ID: LCS 880-102327/1-A

Lab Sample ID: LCSD 880-102327/2-A

Matrix: Solid

Analysis Batch: 102362

Matrix: Solid

Analysis Batch: 102362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102327

| | MB | MB | | | | | | | |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| 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 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 |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery 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 |

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102327

Matrix: Solid Analysis Batch: 102362

| | Spike | LC3 | LUS | | | | /orec | |
|---------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %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 | |
| | | | | | | | | |

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 102327

| | Spike | LCSD | LCSD | | | %Rec | | RPD |
|---------------------|-------|--------|----------------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier Unit | D | %Rec | Limits | 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 |

LCSD LCSD

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

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

Analysis Batch: 102365

Matrix: Solid

1-Chlorooctane

o-Terphenyl

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102351

| | IVID | IVID | | | | | | |
|-----------------------------------|-----------|-----------|--------|----------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | mg/Kg | | 02/09/25 21:25 | 02/10/25 08:48 | 1 |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | mg/Kg | | 02/09/25 21:25 | 02/10/25 08:48 | 1 |
| C10-C28) | | | | | | | | |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/09/25 21:25 | 02/10/25 08:48 | 1 |
| | | | | | | | | |
| | МВ | МВ | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |

70 - 130

70 - 130

Client Sample ID: Lab Control Sample

02/10/25 08:48

02/10/25 08:48

02/09/25 21:25

02/09/25 21:25

Matrix: Solid

Lab Sample ID: LCS 880-102351/2-A

Analysis Batch: 102365

Prep Type: Total/NA

Prep Batch: 102351

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

LCS LCS

MD MD

75

82

%Recovery Qualifier Limits Surrogate 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

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

LCSD LCSD

<10.0 U

| Surrogate | %Recovery 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 Client Sample ID: Method Blank **Prep Type: Soluble**

10.0

Matrix: Solid

Analyte

Chloride

Analysis Batch: 102373

мв мв Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

mg/Kg

Eurofins Carlsbad

02/10/25 19:26

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

Job ID: 890-7646-1

SDG: Lea County, NM

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A **Matrix: Solid**

Analysis Batch: 102373

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

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Lab Control Sample

Client Sample ID: HA-2

Prep Type: Soluble

Prep Type: Soluble

Analysis Batch: 102373

Matrix: Solid

Lab Sample ID: LCSD 880-102339/3-A

Spike LCSD LCSD %Rec RPD Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits Chloride 250 268.8 mg/Kg 108 90 - 110 0

Lab Sample ID: 890-7646-5 MS Client Sample ID: HA-2 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 102373

%Rec Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 2680 F1 1250 4244 F1 90 - 110 mg/Kg 126

Lab Sample ID: 890-7646-5 MSD

Matrix: Solid

Analysis Batch: 102373

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec RPD Limit Limits 2680 1250 Chloride F1 4246 F1 126 90 - 110 0 20 mg/Kg

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 |

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QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-7646-1 Project/Site: Right Meow 31 CTB 7 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

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

Job ID: 890-7646-1

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 Lab Sample ID: 890-7646-2 Matrix: Solid

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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 Lab Sample ID: 890-7646-3

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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 Lab Sample ID: 890-7646-4

Date Collected: 02/06/25 13:15 Date Received: 02/07/25 11:59

| Γ | | | | | | | | _ | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 |

Eurofins Carlsbad

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Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

SDG: Lea County, NM

Job ID: 890-7646-1

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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 Lab Sample ID: 890-7646-5

Date Collected: 02/06/25 13:20 **Matrix: Solid**

Date Received: 02/07/25 11:59

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 Lab Sample ID: 890-7646-6

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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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

Eurofins Carlsbad

Released to Imaging: 8/27/2025 2:13:20 PM

Matrix: Solid

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 | Progra | am | Identification Number | Expiration Date |
|-----------------|--|---------------------------------|---|------------------------|
| Texas | NELA | Р | T104704400 | 06-30-25 |
| , | are included in this report, but bes not offer certification. | it the laboratory is not certif | fied by the governing authority. This lis | t may include analytes |
| 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 |
|-------------|------------------------------------|----------|------------|
| 3021B | 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 |



Environment Testing Xenco

Chain of Custody

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

| 90-7 | | | | | |
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2/11/2025

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| Gilbe | ert Moreno | | | | Bill to: (if differen | t) | | Jim R | aley | | | | | | 1 | | | | | | |
| Earth | Systems | R&R | | | Company Name | e: | | WPX | Energ | ду | | | | |] P | rogram: | UST/PS | T 🗌 PR | P Brov | vnfields 🗌 Rf | RC Superfund |
| 1910 | Resource | Ct. | | | Address: | | | | | | | | | | 1 1 | | • | | | | |
| Carls | bad, NM, | 88220 | | | City, State ZIP: | | | | | | | | | | | | | | III 🗌 PS | ST/UST TF | RRP Level IV |
| 832-5 | 541-7719 | | | Email: | gmoreno@ear | thsys.n | et | | | | | | | | | eliverable | es: EDD | | ADal | PT 🗆 Ot | her: |
| | Right Med | ow 31 C | TB-7- | | urn Around | | | | | | | | NAL | YSIS F | EQUI | ST | | | | Prese | rvative Codes |
| | 2 | 777 | | ☑ Routine | Rush | | Pres. Code | | | | | | | | | | | | | None: NO | DI Water: H₂O |
| | Lea Co | ounty, N | 1M | Due Date: | 5 Day HR | ГАТ | | | | | | | | | | | | | | Cool: Cool | MeOH: Me |
| | Gilber | t Morer | | TAT starts the | | he lab, if | | | | | | | | | | | | | | HCL: HC | HNO ₃ : HN |
| | 214 | 80474 | | rece | eived by 4:30pm | | SIS | | | | | | | | | | | | | | NaOH: Na |
| IPT | | lank: | Yes No | Wet Ice: | Yes No |) | nete | | | | | | | | | | | | | | |
| Intact: | | | | | TWMCE | 、つ | arar | | | | | | | | | | | | | | |
| als: | Yes No | | Correction F | actor: | | | <u>a</u> | | | | - | - | - | | - | _ | + | | | | |
| als: | Yes No | M/A | Temperatur | e Reading: | | | | | | | = | | = | - | - | | | | | | |
| | | | Corrected T | emperature: | 2.6 |) | | | Σ | - | | S. | | | | | | | | NaOH+Asco | orbic Acid: SAPC |
| ntificat | tion | Matrix | Date Sampled | Time Sampled | Depth (feet) | Grab/ Comp | # of Cont | MN- HAT | Chloride | BTEX-NA | Hold | 24 Hr Ru | | | | | | | | Samp | le Comments |
| -1 | | S | 2.6.25 | 13:00 | 0.5 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | Incid | dent Number |
| -1 | | S | 2.6.25 | 13:05 | 2 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | nAPI | P2500627175 |
| -1 | | S | 2.6.25 | 13:10 | 4 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | | |
| -2 | | S | 2.6.25 | 13:15 | 0.5 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | | |
| -2 | | S | 2.6.25 | 13:20 | 2 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | | |
| -2 | | S | 2.6.25 | 13:25 | 4 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | | |
| | | _ | | | | | | | | | | | | | | | | | | | |
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| docume | ent and relinqu | ishment | of samples cor | nd shall not ass | ume any responsibi | lity for an | v losses | or exp | enses ir | ncurred | by the | lient if su | ch loss | es are du | e to cire | umstance | s beyond | the control | ed. | | |
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| | Earth 1910 Carls 832-5 832-5 Intact: als: als: als: antificat a-1 a-1 a-2 a-2 and Me aco will be inimum of | 1910 Resource Carlsbad, NM, 8 832-541-7719 Right Med 2 Lea Co Gilber 214 IPT Temp B Intact: Yes No als: Yes No antification -1 -1 -1 -2 -2 -2 -2 6010 200.8 / 60 and Motal(s) to be a document and relinque | Earth Systems R&R 1910 Resource Ct. Carlsbad, NM, 88220 832-541-7719 Right Meow 31 C 2777 Lea County, N Gilbert Morer 21480474 EIPT Temp Blank: Intact: Yes No Pals: Ye | Earth Systems R&R 1910 Resource Ct. Carlsbad, NM, 88220 832-541-7719 Right Meow 31 CTB 7 2777 Lea County, NM Gilbert Moreno 21480474 EIPT Temp Blank: Yes No Thermometer Sampled als: Yes No MAA Correction For Temperature Corrected To Sampled and Sampled a | Earth Systems R&R 1910 Resource Ct. Carlsbad, NM, 88220 832-541-7719 Email: Right Meow 31 CTB 7 | Earth Systems R&R 1910 Resource Ct. Carlsbad, NM, 88220 Right Meow 31 CTB 7 2777 Lea County, NM Gilbert Moreno 21480474 Temp Blank: Yes No Wet Ice: Yes No State: Yes No State: Yes No State: Temperature Reading: Temperature: Z. Contribution Natrix Sampled Sampled Third Sampled Sampled Depth (feet) To Sampled Sampled Sampled Sampled Sampled To Sampled Sa | Earth Systems R&R 1910 Resource Ct. Carlsbad, NM, 88220 Right Meow 31 CTB 7 Right Meow 31 CTB 7 Part Around 2777 Right Moreno 21480474 Earth Systems R&R Company Name: Address: Right Meow 31 CTB 7 Part Around 2777 Routine Rush Lea County, NM Due Date: 5 Day HR TAT TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received | Earth Systems R&R 1910 Resource Ct. Carlsbad, NM, 88220 832-541-7719 Right Meow 31 CTB 7 Right Meow 31 CTB 7 Pres. Code Lea County, NM Due Date: Solve No Thermometer ID: Tarnact: Temp Blank: Yes No Thermometer ID: Tarnact: Temperature Reading: Corrected Temperature: Tarnact: Solve No Thermometer ID: Tomact Tarnact: Temperature Reading: Tomperature | Earth Systems R&R 1910 Resource Ct. Carlsbad, NM, 88220 832-541-7719 Right Meow 31 CTB 7 Pres. Code Right Moreno 21480474 Correction Factor: Als: Yes No WA Correction Factor: Corrected Temperature: Corrected Temp | Earth Systems R&R | Earth Systems R&R 1910 Resource Ct. Carlsbad, NM, 88220 832-541-7719 Right Meow 31 CTB-7 Right Moreno 2777 Routine Rush Gilbert Moreno 21480474 TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by the lab. if received by 4:30pm TAT-starts the day received by 6:40pm TAT-starts the day received by 4:30pm TAT-starts th | Earth Systems R&R 1910 Resource Ct. Address: | Earth Systems R&R | Earth Systems R&R Company Name: WPX Energy Program: State of P Reporting: State of P Re | Earth Systems R&R Gompany Name: WPX Energy Program: UST/PS State of Project: Reporting: Level III Deliverables: EDD | Earth Systems R&R Company Name: WPX Energy State of Project: 1910 Resource Ct. | Earth Systems R&R Company Name: WPX Energy Program: UST/PST PRP Brow State of Project: Reporting: Level II Level III PS Rep | Earth Systems R&R |

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

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

List Source: Eurofins Carlsbad

Login Number: 7646 List Number: 1

Creator: Lopez, Abraham

| 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 ampered 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 | |
| s the Field Sampler's name present on COC? | True | |
| here 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 | |
| ppropriate 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 | |

Released to Imaging: 8/27/2025 2:13:20 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7646-1

SDG Number: Lea County, NM

List Source: Eurofins Midland

List Creation: 02/09/25 10:34 AM

Login Number: 7646 List Number: 2

Creator: Rodriguez, Leticia

| 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 | True | |

N/A

MS/MSDs

<6mm (1/4").

Containers requiring zero headspace have no headspace or bubble is

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 10:39:50 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

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

Brisma Tel

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-7647-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

| Qı | Jal | lifi | ers |
|----|-----|------|-----|
| | | | |

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**

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

Percent Recovery %R 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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML Most Probable Number MPN 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)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Job ID: 890-7647-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Right Meow 31 CTB 7

Eurofins Carlsbad Job ID: 890-7647-1

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).

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

Lab Sample ID: 890-7647-1

SDG: Lea County, NM

Matrix: Solid

Client Sample ID: HA - 3

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

Sample Depth: 0.5

| 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 | |
| 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 | , |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 02/07/25 15:44 | 02/10/25 14:01 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| 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 - 1 | Total BTEX Cald | culation | | | | | | | |
| 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 - Diese Analyte | • | | • | | | | | | |
| Analyto | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| <u> </u> | Result <49.8 | | 49.8 | MDL | mg/Kg | <u>D</u> | Prepared | Analyzed 02/10/25 23:46 | |
| Total TPH | <49.8 | U | 49.8 | MDL | | <u> </u> | Prepared | | |
| Total TPH Method: SW846 8015B NM - Die | <49.8 sel Range Orga | U | 49.8 | | | <u>D</u> | Prepared Prepared | | |
| Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics | <49.8 sel Range Orga | unics (DRO) Qualifier | 49.8 (GC) | | mg/Kg | | | 02/10/25 23:46 | Dil Fac |
| Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | <49.8 sel Range Orga Result | Unics (DRO) Qualifier | 49.8 (GC) | | mg/Kg | | Prepared | 02/10/25 23:46 Analyzed | Dil Fac |
| Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | <49.8 sel Range Orga Result <49.8 | Unics (DRO) Qualifier U | 49.8 (GC) RL 49.8 | | mg/Kg Unit mg/Kg | | Prepared 02/10/25 08:51 | 02/10/25 23:46 Analyzed 02/10/25 23:46 | Dil Fac |
| Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | <49.8 sel Range Orga Result <49.8 <49.8 | U Qualifier U | 49.8 (GC) RL 49.8 49.8 | | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 | 02/10/25 23:46 Analyzed 02/10/25 23:46 02/10/25 23:46 | Dil Fac |
| Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | <49.8 sel Range Orga Result <49.8 <49.8 <49.8 | U Qualifier U | 49.8 (GC) RL 49.8 49.8 49.8 | | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 | 02/10/25 23:46 Analyzed 02/10/25 23:46 02/10/25 23:46 02/10/25 23:46 | Dil Fac |
| Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | <49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery | U Qualifier U Qualifier | 49.8 (GC) RL 49.8 49.8 49.8 Limits | | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared | 02/10/25 23:46 Analyzed 02/10/25 23:46 02/10/25 23:46 02/10/25 23:46 Analyzed | Dil Fac |
| Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion | <49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery 69 72 | U unics (DRO) Qualifier U U U Qualifier S1- | 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130 | | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared 02/10/25 08:51 | 02/10/25 23:46 Analyzed 02/10/25 23:46 02/10/25 23:46 02/10/25 23:46 Analyzed 02/10/25 23:46 | Dil Fac |
| Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | <49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery 69 72 n Chromatograp | U unics (DRO) Qualifier U U U Qualifier S1- | 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130 | MDL | mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared 02/10/25 08:51 | 02/10/25 23:46 Analyzed 02/10/25 23:46 02/10/25 23:46 02/10/25 23:46 Analyzed 02/10/25 23:46 | Dil Fac |

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

| | | 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-Bromofluorober | nzene (Surr) | | |
| DFBZ = 1,4-Difluorobenz | zene (Surr) | | |

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

Matrix: Solid Prep Type: Total/NA

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

Analysis Batch: 102363

Client Sample ID: Method Blank

02/10/25 11:36

Prep Type: Total/NA

Prep Batch: 102325

| MB | MB | | | | | | | |
|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| <0.00200 | U | 0.00200 | | mg/Kg | | 02/07/25 15:44 | 02/10/25 11:36 | 1 |
| <0.00200 | U | 0.00200 | | mg/Kg | | 02/07/25 15:44 | 02/10/25 11:36 | 1 |
| <0.00200 | U | 0.00200 | | mg/Kg | | 02/07/25 15:44 | 02/10/25 11:36 | 1 |
| <0.00400 | U | 0.00400 | | mg/Kg | | 02/07/25 15:44 | 02/10/25 11:36 | 1 |
| <0.00200 | U | 0.00200 | | mg/Kg | | 02/07/25 15:44 | 02/10/25 11:36 | 1 |

mg/Kg

MB MB

<0.00400 U

| Surrogate | %Recovery G | 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 |

0.00400

Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 102363

Lab Sample ID: LCS 880-102325/1-A

Prep Type: Total/NA

02/07/25 15:44

Prep Batch: 102325

| | Эріке | LUS | LUS | | | | 70 KeC | |
|---------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %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 | |
| | | | | | | | | |

LCS LCS

| Surrogate | %Recovery Qua | alifier 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

| | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|---------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 | |

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 135 | S1+ | 70 - 130 |

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

Lab Sample ID: LCS 880-102366/2-A

Lab Sample ID: LCSD 880-102366/3-A

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analysis Batch: 102365

Analysis Batch: 102365

Analysis Batch: 102365

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102366

| | MB | MB | | | | | | | |
|-----------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| C10-C28) | | | | | | | | | |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| | | | | | | | | | |
| | MB | MB | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits | Pr | repared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|-------|------------|----------------|---------|
| 1-Chlorooctane | 90 | | 70 - 130 | 02/10 | 0/25 08:51 | 02/10/25 21:43 | 1 |
| o-Terphenyl | 97 | | 70 - 130 | 02/10 | 0/25 08:51 | 02/10/25 21:43 | 1 |

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102366

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

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102366

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

LCSD LCSD

| Surrogate | %Recovery 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

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

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

Lab Sample ID: LCSD 880-102339/3-A

Client Sample ID: Lab Control Sample Prep Type: Soluble

Matrix: Solid

Matrix: Solid

Analysis Batch: 102373

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analysis Batch: 102373

Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 250 268.8 mg/Kg 108 90 - 110 0

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

Eurofins Carlsbad

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Lab Chronicle

Client: Earth Systems Response and Restoration

Job ID: 890-7647-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-7647-1 Date Collected: 02/06/25 13:30

Matrix: Solid

Date Received: 02/07/25 11:59

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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

Job ID: 890-7647-1 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 | | am | Identification Number | Expiration Date | | |
|-----------------|---------------------------------|---------------------------------|---|------------------------|--|--|
| Texas | NELA | Р | T104704400 | 06-30-25 | | |
| • , | are included in this report, bu | ut the laboratory is not certif | fied by the governing authority. This lis | t may include analytes | | |
| Analysis Method | Prep Method | Matrix | Analyte | | | |
| 8015 NM | | Solid | Total TPH | | | |
| Total BTEX | | Solid | Total BTEX | | | |

Method Summary

Client: Earth Systems Response and Restoration

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Project/Site: Right Meow 31 CTB 7

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

EET MID

EET MID

| Protocol | Laboratory |
|----------|------------|
| SW846 | EET MID |
| TAL SOP | EET MID |
| SW846 | EET MID |
| SW846 | EET MID |
| EPA | EET MID |
| SW846 | EET MID |

SW846

ASTM

Protocol References:

Method

8021B

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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

Eurofins Carlsbad

3

6

9

12

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 |

eurofins

2/11/2025

Xenco

Environment Testing

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: | | |
|----------------|--|--|

| Project Manager: | Gilbert Moreno Bill to: (if different) | | | | | | | | Jim Raley | | | | | | _ | Work Order Comments | | | | | | | | | |
|---|--|-------------|--------------------|---|-----------------|--------------------------------|----------------------|---------------|-------------|----------|----------|----------|----------|-------------|--------------------|---------------------|--|---------|----------|------------------------|-----------------|---|--------------|---------------------|--|
| Company Name: | Earth Systems R&R Company Name: | | | | | | | | WPX Energy | | | | | | | | Program: UST/PST PRP Brownfields RRC Superfund | | | | | | | | |
| Address: | 1910 Resource Ct. Address: | | | | | | | | | | | | | | | | State | | | | | | | | |
| City, State ZIP: | Carlsbad, NM, 88220 City, State ZIP: | | | | | | | | | | | | | | | | | - | | _ | III 🗌 P | ST/UST 🗌 T | RRP 🗌 | Level I\ | |
| Phone: | 832-5 | 41-7719 | | | Email: | gmoreno@ear | gmoreno@earthsys.net | | | | | | | | | | Delive | ables | : EDD | | ADal | РТ 🗆 С | ther: | | |
| Project-Name: | | Right M | eow 31 C | TB 7 | | Turn Around ANALYSIS REQUEST P | | | | | | | | Pres | Preservative Codes | | | | | | | | | | |
| Project Number: | | | 2777 | | ☑ Routine | Rush | | Pres. Code | | | | | | (881 1681 1 | 2118 (811) 281 | | | | !! | | | None: NO DI Wate | | | |
| Project Location: | 9 | Lea C | County, I | MM | Due Date: | 5 Day HR | TAT | | | | | | | | | | | | | | | Cool: Cool | | OH: Me | |
| Sampler's Name: | | Gilbe | ert More | no | | e day received by t | he lab, if | | | | | | | | | | | | | | | HCL: HC | | O ₃ : HN | |
| PO/WO#: | | 21 | 1480474 | | rec | eived by 4:30pm | | 5 | | | | | | | | | | | | | | H ₂ S0 ₄ : H ₂ | Nac | OH: Na | |
| SAMPLE RECE | IPT | Temp | | Yes No. | Wet Ice: | Yes No | | Parameters | | | | | 890 | 0-764 | 7 Chain | of C | Custody H₃P | | | H ₃ PO₄: HP | | | | | |
| Samples Received I | Intact: | Yes | $\overline{}$ | Thermomet | er ID: | Tunc | 27 | ıa ı | | | | | 1 | | 1 1 | | 1 | - 1 | - 1 | | | NaHSO₄: N | | | |
| Cooler Custody Sea | ıls: | Yes N | | Correction I | Factor: | -0.2 | | ă. | | | | | | - | - | | | | - | | | Na ₂ S ₂ O ₃ : N | | | |
| Sample Custody Se | als: | Yes N | o N/A | Temperatur | e Reading: | 2.8 | | | | | | | | | | _ | | | | | _ | Zn Acetate | | | |
| Total Containers: | | | | Corrected 7 | emperature: | 2.6 | | | | Σ | 5 | | Rush | | | | | | | | | NaOH+As | corbic Acid: | : SAPC | |
| Sample Ide | Sample Identification Matrix | | Time Sampled | Depth (feet) | Grab/ Comp | 12 2 | TPH -NM | Chloride | Chloride-NM | BTEX-NM | Hold | 24 Hr Ru | | | | | | | | | Sample Comments | | | | |
| HA | HA-3 S 2.6.25 | | 13:30 | 0.5 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | | Incident Nur | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | nAF | P250062 | 7175 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | _/ | | | | | | | | _ | | | | | | | | - | | | - | | - | | |
| Pres | 1 | | - | | | | | | | | | | | | \vdash | | | | | | - | | | | |
| - Carlo | / | | | | | | | _ | | | | | | | | | | - | - | - | | | | | |
| (3) | | | - | | | | | | | | | | | - | | | | | | | + | | | | |
| _ | | | | | | | | _ | | | | | | | \vdash | | | _ | | | - | | | | |
| | | | | | 40004 | (ODDIA T | 44 4 | 1.01 | | | D 0 | 0- | 00. | 0 | E. Dh | 14- | Mar N | a Ni | V C- | Λ ~ C: | O No | Cr. TI Cn. I | L V/ 7n | | |
| Total 200.7 / 6 | | 200.8 / | | | 8RCRA | 13PPM Texas | s 11 <i>P</i> | u Sb | As B | а ве | B Co | Ca | Cr Co | Cu | re Po | IVIG | IVIN IV | 10-141 | N 56 | | | /245.1/74 | | 1 | |
| circle Method(s) a | | | | | | | | | | | | *** | | | | | | | | | y. 1001 | 7 2 10.17 7 1 | 10-7-1-11 | | |
| otice: Signature of this service. Eurofins Xer | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eurofins Xenco. A mi | nimum ch | arge of \$8 | 5.00 will be | applied to eac | h project and a | charge of \$5 for each | sample | submitt | ed to Eu | rofins) | (enco, b | ut not a | nalyzed. | These | terms wil | l be er | forced u | nless p | reviousl | / negotiat | ed. | | | | |
| Relinquished b | y: (Sign | ature) | | Received by: (Signature) Date/Time Relinquished by: (\$ | | | | by: (Sig | gnatu | ire) | | Recei | ved by: | (Signat | ture) | Date/ | /Time | | | | | | | | |
| Cilar | | | 1/2 | 5 | · V | | | 21 | _ | 113 | 59 | 2 | | | | | | | | | | | | | |
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| | | | 1 | | | | | ı | | | | 6 | | | | | - 1 | | | | | | | | |

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7647-1

SDG Number: Lea County, NM

Login Number: 7647 List Source: Eurofins Carlsbad

List Number: 1 Creator: Bruns, Shannon

| 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 | N/A | |

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14

<6mm (1/4").

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7647-1

SDG Number: Lea County, NM

List Creation: 02/09/25 10:34 AM

List Source: Eurofins Midland

List Number: 2 Creator: Rodriguez, Leticia

Login Number: 7647

| 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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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 10:40:11 AM

JOB DESCRIPTION

Right Meow 31 CTB 7 Lea County, NM

JOB NUMBER

890-7648-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization

Brianna Tel

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

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

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Page 2 of 18

2/11

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

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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Job ID: 890-7648-1

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**

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

Percent Recovery %R 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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML Most Probable Number MPN 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)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Eurofins Carlsbad

2/11/2025

Job ID: 890-7648-1

Case Narrative

Client: Earth Systems Response and Restoration

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.

Eurofins Carlsbad

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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 Received: 02/07/25 11:59

Lab Sample ID: 890-7648-1 Date Collected: 02/06/25 13:35

Matrix: Solid

| 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) | | | 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 - 1 | Total BTEX Cald | culation | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | | | | | | | | |
| Total BTEX | <0.00402 | | 0.00402 | | mg/Kg | | | 02/10/25 14:22 | 1 |
| Method: SW846 8015 NM - Diese Analyte | el Range Organ | | | MDL | | D | Prepared | 02/10/25 14:22 Analyzed | |
| : Method: SW846 8015 NM - Diese | el Range Organ | ics (DRO) (C | GC) | MDL | | <u>D</u> | Prepared | | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte | el Range Organ Result <49.7 | ics (DRO) (0 Qualifier | RL 49.7 | MDL | Unit | <u>D</u> | Prepared | Analyzed | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH | el Range Organ Result <49.7 sel Range Organ | ics (DRO) (0 Qualifier | RL 49.7 | MDL MDL | Unit mg/Kg | <u>D</u> | Prepared Prepared | Analyzed | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics | el Range Organ Result <49.7 sel Range Organ | Qualifier Unics (DRO) Qualifier | RL 49.7 (GC) | | Unit mg/Kg | | · · · | Analyzed 02/11/25 00:07 | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 | el Range Organ Result <49.7 sel Range Organ Result | ics (DRO) (CONTINUE OF CONTINUE OF CONTIN | RL 49.7 (GC) | | Unit mg/Kg | | Prepared | Analyzed 02/11/25 00:07 Analyzed | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies | el Range Organ Result <49.7 sel Range Orga Result <49.7 | ics (DRO) (CONTINUE OF CONTINUE OF CONTIN | (GC) RL 49.7 (GC) RL 49.7 | | Unit mg/Kg Unit mg/Kg | | Prepared 02/10/25 08:51 | Analyzed 02/11/25 00:07 Analyzed 02/11/25 00:07 | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | el Range Organ Result <49.7 sel Range Orga Result <49.7 | ics (DRO) (Control of the control of | (GC) RL 49.7 (GC) RL 49.7 | | Unit mg/Kg Unit mg/Kg | | Prepared 02/10/25 08:51 | Analyzed 02/11/25 00:07 Analyzed 02/11/25 00:07 | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | el Range Organ Result <49.7 sel Range Orga Result <49.7 <49.7 | ics (DRO) (Control of the control of | GC) RL 49.7 (GC) RL 49.7 49.7 | | Unit mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 | Analyzed 02/11/25 00:07 Analyzed 02/11/25 00:07 02/11/25 00:07 | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | el Range Organ Result <49.7 sel Range Orga Result <49.7 <49.7 <49.7 | ics (DRO) (Control of the control of | GC) RL 49.7 (GC) RL 49.7 49.7 49.7 | | Unit mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 | Analyzed 02/11/25 00:07 Analyzed 02/11/25 00:07 02/11/25 00:07 02/11/25 00:07 | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate | el Range Organ Result <49.7 sel Range Orga Result <49.7 <49.7 <49.7 %Recovery | ics (DRO) (Control of the control of | GC) RL 49.7 (GC) RL 49.7 49.7 49.7 Limits | | Unit mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared | Analyzed 02/11/25 00:07 Analyzed 02/11/25 00:07 02/11/25 00:07 02/11/25 00:07 Analyzed | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | el Range Organ Result <49.7 sel Range Orga Result <49.7 <49.7 <49.7 %Recovery 81 82 | ics (DRO) (Control of the control of | GC) RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130 | | Unit mg/Kg Unit mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared 02/10/25 08:51 | Analyzed 02/11/25 00:07 Analyzed 02/11/25 00:07 02/11/25 00:07 Analyzed 02/11/25 00:07 | 1 Dil Fac 1 1 1 1 Dil Fac 1 1 1 1 Dil Fac 1 1 |
| Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | el Range Organ Result <49.7 sel Range Orga Result <49.7 <49.7 <49.7 <49.7 %Recovery 81 82 n Chromatograp | ics (DRO) (Control of the control of | GC) RL 49.7 (GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130 | | Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg | | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared 02/10/25 08:51 | Analyzed 02/11/25 00:07 Analyzed 02/11/25 00:07 02/11/25 00:07 Analyzed 02/11/25 00:07 | Dil Fac 1 Dil Fac 1 1 Dil Fac 1 |

DFBZ = 1,4-Difluorobenzene (Surr)

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

| _ | | | |
|------------------------|------------------------|----------|----------|
| | | 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-Bromofluorobei | nzene (Surr) | | |

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

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|----------|----------|--|
| | | 1001 | 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 | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Lab Sample ID: LCS 880-102325/1-A

Lab Sample ID: LCSD 880-102325/2-A

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analysis Batch: 102363

Analysis Batch: 102363

Analysis Batch: 102363

Client Sample ID: Method Blank

Prep Batch: 102325

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Prep Type: Total/NA

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

MB MB

MB MB

| Surrogate | %Recovery | 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 |

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102325

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

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Batch: 102325

Prep Type: Total/NA

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |

LCSD LCSD

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

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

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102366

| | MB | MB | | | | | | | |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| C10-C28) | | | | | | | | | |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| | МВ | МВ | | | | | | | |
| Surrogate | %Recovery | 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

Analysis Batch: 102365

Prep Type: Total/NA Prep Batch: 102366

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

Spike

Added

1000

1000

LCS LCS

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

Lab Sample ID: LCSD 880-102366/3-A

Matrix: Solid

Gasoline Range Organics

Analysis Batch: 102365

Client Sample ID: Lab Control Sample Dup

70 - 130

Prep Type: Total/NA

Prep Batch: 102366

8

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%Rec RPD RPD Limit %Rec Limits 81 70 - 130 12 20

Diesel Range Organics (Over C10-C28)

(GRO)-C6-C10

Analyte

LCSD LCSD

| Surrogate | %Recovery 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

Analyte

Chloride

Analysis Batch: 102373

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

LCSD LCSD

807.3

856.3

Result Qualifier

Unit

mg/Kg

mg/Kg

D

86

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Prep Type: Soluble

Client: Earth Systems Response and Restoration

Job ID: 890-7648-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A

Matrix: Solid

Analysis Batch: 102373

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

Lab Sample ID: LCSD 880-102339/3-A

Matrix: Solid

Analysis Batch: 102373

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | 250 | 268.8 | | mg/Kg | | 108 | 90 - 110 | 0 | 20 |

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

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 8 | 880-102325/5-A | Method Blank | Total/NA | Solid | 8021B | 102325 |
| LCS | 880-102325/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 102325 |
| LCS | D 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 | HA - 4 Method Blank Lab Control Sample | 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 890-7648-1 | Client Sample ID HA - 4 | Prep Type Soluble | Matrix Solid | Method DI Leach | Prep Batch |
|-----------------------------|-------------------------|-------------------|--------------|-----------------|------------|
| 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 |

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Lab Chronicle

Client: Earth Systems Response and Restoration

Job ID: 890-7648-1 Project/Site: Right Meow 31 CTB 7 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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 | Progra | am | Identification Number | Expiration Date | | |
|-----------------|---|------------|-----------------------|-----------------|--|--|
| Texas | NELA | T104704400 | 06-30-25 | | | |
| | t may include analytes | | | | | |
| Analysis Method | Prep Method | Matrix | Analyte | | | |
| 8015 NM | 5 NM Solid | Solid | Total TPH | | | |
| Total BTEX | The following analytes are included in this report, but the laboratory is not certified by the governing authority. The forwhich the agency does not offer certification. Analysis Method Prep Method Matrix Analyte Total TPH | 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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40

112

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 Ord | or No: | |
|----------|--------|--|

| Project Manager: | Gilbert Mor | eno | | | Bill to: (if differer | nt) | | Jim F | Raley | | | | | | 7 [| | | | | enco.co rk Orde | r Comme | | 01, |
|--|-------------------|----------------|--|----------------------------|-----------------------|---------------|-------------------|--------|-------------|---------|----------|------------|-----------|----------|-----------------------|---|--------------|---|-----------|--------------------|----------------------------------|-----------------|--------------------------|
| Company Name: | Earth Syste | | | | Company Nam | | | WPX | | gv | | | | | | Progra | am: U | ST/PS1 | r □ PR | RP∏ Bro | wnfields | RRC | Superfund |
| Address: | 1910 Reso | | | | Address: | | | | | | | | | | _ 1 | Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: | | | | | | | |
| City, State ZIP: | Carlsbad, N | | | | City, State ZIP: | | | | | | | | | | ٦i | Report | ting: Le | evelII | Leve | | ST/UST [| TRR | Level IV |
| Phone: | 832-541-77 | | | Email: | gmoreno@ea | | net | | | | | | | | | Delive | rables | EDD | | ADa | PT 🗆 | Othe | r: |
| Project Name: | Righ | Meow 31 | CTB 7 | | Turn Around | | | | | | | | ANAL | YSIS | REQ | JEST | | | | | P | reserv | ative Codes |
| Project Number: | | 2777 | | ☑ Routine | Rush | | Pres. Code | | | | | | 111111 | | 1 1 1 1 1 1 | | 118 81111 81 | 10 i 10 il 10 i | | 1 | None: I | 1 0 | DI Water: H ₂ |
| Project Location: | Le | a County, | NM | Due Date: | 5 Day HR | TAT | | | | | | | | | | | | | | | Cool: C | ool | MeOH: Me |
| Sampler's Name: | | ilbert More | | TAT starts the | e day received by t | | | | | | | | | | | | | | | | HCL: H | С | HNO ₃ : HN |
| POWO #: | | 21480474 | | rec | ceived by 4:30pm | | 2 | | İ | | | | 171111 | Hill | | | | | | | H ₂ S0 ₄ : | H ₂ | NaOH: Na |
| SAMPLE RECEI | IPT Ter | որ Blank: | Yes No | Wet Ice: | Yes N | 0 | arameters | | | | | | 890- | -7648 | Chain | of Cus | stody | | | _] | H₃PO₄: | | |
| Samples Received I | | | Thermomet | | Timec | 2 | arai | | | | | | | - | | | | | | | NaHSC | | |
| Cooler Custody Seal | | No CNA | Correction | | -0.7 | | - | | | | | | | | | | | | | | Na ₂ S ₂ C | | |
| Sample Custody Sea | als: Yes | No N/A | Temperatur | | 2.6 | | | | | | | | | | | | | | | | | | iOH: Zn |
| Total Containers: | | | Corrected 7 | emperature: | 2.6 | | | MN- | Σ× | - | | S. | | | | | | | | | NaOH+ | Ascorb | ic Acid: SAPC |
| Sample Ider | ntification | Matrix | Date Time Sampled Sample | | Depth (feet) | Grab/ Comp | Grab/ Comp # U | | Chloride-NM | BTEX-NM | Hold | 24 Hr Rush | | | | | | | | | s | Sample Comments | |
| HA- | -4 | S | 2.6.25 | 13:35 | 0.5 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | | | Incide | nt Number |
| | | | | | | | | | | | | | | | | | | | | | | nAPP2 | 500627175 |
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| | | | | | | - | | | | | | | | | | | | | 亖 | | | | |
| Total 200.7 / 60 | 010 200.8 | 7 6020: | | 8RCRA | 13PPM Texa | s 11 A | d Sb | As B | а Ве | В С | Ca | Cr Co | Cu F | e Pb | Mg | Mn N | lo Ni | K Se | | | | | |
| Circle Method(s) a | nd Metal(s) | o be anal | /zed | | | | | | | | | | | | | | | | | Hg: 163 | 1 / 245.1 / | 7470 | / 7471 |
| Notice: Signature of this of service. Eurofins Xend of Eurofins Xenco. A min | co will be liable | only for the c | st of samples a | nd shall not ass | ume any responsibi | ility for an | y losses | or exp | enses i | ncurred | by the d | lient if | such loss | es are d | ue to c | ircumsta | ances b | eyond th | ne contro | ol nted. | | | |
| Relinquished by | y: (Signature |) |) Rec | eived by: _/ (Si | ignature) | | | Date | /Time | | Re | elinqui | shed b | y: (Siç | gnatui | re) | | Recei | ved by | /: (Signa | ture) | | Date/Time |
| (whi | ~ | NZ | 1111 | $\sim \sqrt{-}$ | | | ΔI | 77 | 7 | 59 | 2 | | | | = | | | | == | | | | |
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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-------------------------------------|
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| | · | | | Re | evised 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

List Source: Eurofins Carlsbad Login Number: 7648 List Number: 1

Creator: Bruns, Shannon

| 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 ampered 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 | |
| s the Field Sampler's name present on COC? | True | |
| here 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 | |
| ppropriate 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

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

List Number: 2

Creator: Rodriguez, Leticia

Login Number: 7648

| 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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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 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

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

Brianna Tel

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

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

Table of Contents

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-7650-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

ğ 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)

Dilution Factor Dil Fac

Detection Limit (DoD/DOE) DΙ

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**

Presumptive **PRES** 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

Job ID: 890-7650-1

Case Narrative

Client: Earth Systems Response and Restoration

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.

Eurofins Carlsbad

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Job ID: 890-7650-1

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Client Sample ID: HA - 5 Lab Sample ID: 890-7650-1

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

| 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 BTE | X Calculat | ion | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | < 0.00401 | | | | mg/Kg | | | 02/10/25 18:55 | 1 |
| Total BTEX | \0.00401 | O | 0.00401 | | mg/rtg | | | 02/10/25 10:55 | ' |
| : Method: SW846 8015 NM - Di | esel Range (| Organics (| DRO) (GC) | MDL | | D | Prepared | | , |
| Method: SW846 8015 NM - Di Analyte | esel Range (| Organics (Qualifier | DRO) (GC) | MDL | Unit | <u>D</u> | Prepared | Analyzed | , |
| Method: SW846 8015 NM - Di Analyte | esel Range (| Organics (Qualifier | DRO) (GC) | MDL | | <u>D</u> | Prepared | | · |
| Method: SW846 8015 NM - Di Analyte Total TPH | esel Range (Result <49.9 | Organics (Qualifier U | DRO) (GC) RL 49.9 | MDL | Unit | <u>D</u> | Prepared | Analyzed | , |
| Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte | esel Range (Result <49.9 | Organics (Qualifier U | DRO) (GC) RL 49.9 | MDL | Unit mg/Kg | <u>D</u> | Prepared Prepared | Analyzed | Dil Fac |
| Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics | esel Range (Result <49.9 | Organics (Qualifier U Organics Qualifier Qualifier | DRO) (GC) RL 49.9 (DRO) (GC) | | Unit mg/Kg | _ = | <u> </u> | Analyzed 02/11/25 00:48 | Dil Fac |
| Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | esel Range (Result <49.9 Diesel Range Result | Organics (Qualifier U Organics Qualifier U | DRO) (GC) RL 49.9 (DRO) (GC) RL | | Unit mg/Kg | _ = | Prepared | Analyzed 02/11/25 00:48 Analyzed 02/11/25 00:48 | Dil Fac |
| Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | esel Range (Result <49.9 Diesel Range Result <49.9 | Organics (Qualifier U Organics Qualifier U U | DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 | | Unit mg/Kg | _ = | Prepared 02/10/25 08:51 02/10/25 08:51 | Analyzed 02/11/25 00:48 Analyzed 02/11/25 00:48 | Dil Fac |
| Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate | esel Range (Result (49.9) Diesel Range (Result (49.9) (49.9) | Organics (Qualifier U Organics Qualifier U U | DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9 | | Unit mg/Kg Unit mg/Kg mg/Kg | _ = | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared | Analyzed 02/11/25 00:48 Analyzed 02/11/25 00:48 02/11/25 00:48 02/11/25 00:48 Analyzed | Dil Fac |
| Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate | esel Range (Result (49.9) Diesel Range (Result (49.9) (49.9) (49.9) | Organics (Qualifier U Organics Qualifier U U | DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9 | | Unit mg/Kg Unit mg/Kg mg/Kg | _ = | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 | Analyzed 02/11/25 00:48 Analyzed 02/11/25 00:48 02/11/25 00:48 02/11/25 00:48 | Dil Fac |
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| Method: SW846 8015 NM - Dic Analyte Total TPH Method: SW846 8015B NM - Dic Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, | esel Range (Result <49.9 Piesel Range Result <49.0 Piesel Piesel Range Result <49.0 Piesel Piesel Piesel Range Result <49. | Organics (Qualifier U Organics Qualifier U U U Qualifier | DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130 | | Unit mg/Kg Unit mg/Kg mg/Kg | _ = | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared 02/10/25 08:51 | Analyzed 02/11/25 00:48 Analyzed 02/11/25 00:48 02/11/25 00:48 02/11/25 00:48 Analyzed 02/11/25 00:48 | Dil Fac 1 Dil Fac 1 1 1 Dil Fac 1 |
| Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | esel Range (Result (49.9) Diesel Range (Result (49.9) (49.9) (49.9) (49.9) (73 (75) (100) | Organics (Qualifier U Organics Qualifier U U U Qualifier | DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130 | | Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg | _ = | Prepared 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared 02/10/25 08:51 | Analyzed 02/11/25 00:48 Analyzed 02/11/25 00:48 02/11/25 00:48 02/11/25 00:48 Analyzed 02/11/25 00:48 | Dil Fac 1 Dil Fac 1 1 1 Dil Fac 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 9 | Surrogate Recovery (Acceptance Limits) |
|-----------------------|------------------------|----------|-----------|--|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (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-Bromofluorobe | enzene (Surr) | | | |
| DFBZ = 1,4-Difluorobe | nzene (Surr) | | | |

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

Matrix: Solid Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---------------------|------------------------|--|----------|--|--|--|--|
| | | 1001 | OTPH1 | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (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 | | | | |

1CO = 1-Chlorooctane OTPH = o-Terphenyl

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

| | MB | MB | | | | | | • | |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| 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 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 |
| | 440 | MD | | | | | | | |

| Surrogate | %Recovery Qu | ualifier 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

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %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 | |
| | | | | | | | | |

LCS LCS

| Surrogate | %Recovery | 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

| | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|---------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 | |

LCSD LCSD

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

Client: Earth Systems Response and Restoration

Job ID: 890-7650-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

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

%Recovery Qualifier

90

97

Lab Sample ID: MB 880-102366/1-A

Lab Sample ID: LCS 880-102366/2-A

Matrix: Solid

Surrogate

o-Terphenyl

1-Chlorooctane

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Method Blank

Analyzed

Prep Type: Total/NA

Prep Batch: 102366

| | MB | MR | | | | | | | |
|---|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Analyte | Result | 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 |
| | MB | MB | | | | | | | |

Limits

70 - 130

70 - 130 02/10/25 08:51 02/10/25 21:43

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 102366

02/10/25 08:51 02/10/25 21:43

Prepared

Analysis Batch: 102365 Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit %Rec 1000 mg/Kg 91 70 - 130 Gasoline Range Organics 909.8 (GRO)-C6-C10 mg/Kg Diesel Range Organics (Over 1000 931.0 93 70 - 130C10-C28)

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

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

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |

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

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

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Dil Fac

Client: Earth Systems Response and Restoration

Job ID: 890-7650-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble Analysis Batch: 102373**

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

Lab Sample ID: LCSD 880-102339/3-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Soluble**

Analysis Batch: 102373 LCSD LCSD Spike %Rec **RPD**

Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 268.8 108 90 - 110 0 mg/Kg

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 890-7650-1 | Client Sample ID HA - 5 | Prep Type Total/NA | Matrix Solid | Method 8021B | Prep Batch 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 |
|---|---------------|------------------|-----------|--------|------------|------------|
| l | 890-7650-1 | HA - 5 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 102365

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

Released to Imaging: 8/27/2025 2:13:20 PM

| 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 |

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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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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:

Released to Imaging: 8/27/2025 2:13:20 PM

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 | Progra | am | Identification Number | Expiration Date |
|------------------------|---|----------------------------|--|-------------------------------|
| Texas | NELA | ס | T104704400 | 06-30-25 |
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| i ne tollowing analyte | s are included in this repo | rr but the laboratory is r | not certitled by the doverning authori | tvo i nis iist mav include al |
| , | s are included in this repo does not offer certification | , | not certified by the governing authori | ity. This list may include al |
| , | • | , | Analyte | iy. Triis iist may include ai |
| for which the agency | does not offer certification | • | , , , | ty. This list may include al |

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 |

2:13:20 PM

Released to Imaging: 8/27/2025

Gilbert Moreno Earth Systems R&R

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

1910 Resource Ct.

eurofins

Project Manager:

Company Name: Address:

Xenco

Environment Testing

Bill to: (if different)

Company Name:

Address:

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

Jim Raley

WPX Energy

Chain of Custody

| Work Order No: | |
|----------------|--|
|----------------|--|

| www.xenco.com | Page _ | | _ of _ | 1 |
|--|--------|-------|--------|---------|
| Work Order Com | ments | | | |
| Program: UST/PST PRP Brownfield State of Project: | ds 🗌 R | RC | Supe | rfund 🗌 |
| Reporting: Level II Level III PST/US | | RRP [|] Le | vel IV |

| City, State ZIP: | Carlsbad, NM, | 88220 | | | City, State ZIP: | | | | | | | | | I ' ' | III LI PST/UST LI TRRP LI Level IV LI |
|-----------------------------------|---------------|-------------------|---------------------|-----------------|--|---------------|---------------|---------|----------|---------|------|------------|-------------|-------------------------------------|---|
| Phone: | 832-541-7719 | | | Email: | gmoreno@eai | thsys.r | net | | | | | | | Deliverables: EDD | ADaPT Other: |
| Project Name: | Right Me | ow 31 C | TB-7 | | urn Around | | | | | | | | ANALYSIS RE | QUEST | Preservative Codes |
| Project Number: | | 2777 | | ☑ Routine | Rush | | Pres. Code | | | | | | | | None: NO DI Water: H ₂ O |
| Project Location: | Lea C | ounty, I | MM | Due Date: | 5 Day HR | TAT | | | | | | | | 1.110/1940/1940/1940/1940/1940/1940 | Cool: Cool MeOH: Me |
| Sampler's Name: PO/WO #: | | rt More 480474 | no | | day received by televed by televed by 4:30pm | he lab, if | δ | | | | | | | | HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na |
| SAMPLE RECE Samples Received I | | Blank: | Yes No Thermomet | | Yes! No Twno | | ramete | | | | | | | ain of Custody | H ₃ PO ₄ : HP NaHSO ₄ : NABIS |
| Cooler Custody Sea | ls: Yes No | N/A | Correction I | actor: | -0.2 | | a. | | - | - | | - | | | Na ₂ S ₂ O ₃ : NaSO ₃ |
| Sample Custody Sea | als: Yes No | NA | Temperatur | e Reading: | 2.8 | | | | | | | | | | Zn Acetate+NaOH: Zn |
| Fotal Containers: | | | Corrected T | emperature: | 2.6 | | | | Σ | _ | | - L | | | NaOH+Ascorbic Acid: SAPC |
| Sample Ide | ntification | Matrix | Date Sampled | Time Sampled | Depth (feet) | Grab/ Comp | 2 2 | TPH -NM | Chloride | BTEX-NN | Hold | 24 Hr Rush | | | Sample Comments |
| HA- | -5 | S | 2.6.25 | 13:40 | 0.5 | Grab/ | 1 | Х | Х | Х | | | | | Incident Number |
| | | | | | | | | | | | | Ţ | | | 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 |
|----------------------------------|---|------|

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| · Coloing | 25 un 8 | 17 1159 | 2 | | |
| 3 | | | 4 | | |

Hg: 1631 / 245.1 / 7470 / 7471

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 10:40:42 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



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

Brisma Tel

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-7649-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary Abbreviation

74 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** Detection Limit (DoD/DOE) DL 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) Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

These commonly used abbreviations may or may not be present in this report.

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 Method Quantitation Limit MQL NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG 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)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 890-7649-1

Case Narrative

Client: Earth Systems Response and Restoration

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.

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Matrix: Solid

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

Lab Sample ID: 890-7649-1

Client Sample ID: HA-6

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

Sample Depth: 0.5

| 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 - 1 | Total BTEX Cald | culation | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Method: SW846 8015 NM - Diese Analyte | • | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte Total TPH | Result | | 49.8 — | MDL | mg/Kg | D | Prepared | Analyzed 02/11/25 00:28 | Dil Fac |
| : : | | | | | | | | | |
| Method: SW846 8015B NM - Die: | | ' (DDO) | (00) | | | | | | ' |
| | | | | MDI | 11-24 | _ | Danasas | Austral | |
| Analyte | Result | Qualifier | RL | MDL | | <u>D</u> | Prepared 00.440/05 00.54 | Analyzed | Dil Fac |
| Analyte Gasoline Range Organics | | Qualifier | | MDL | Unit mg/Kg | <u>D</u> | Prepared 02/10/25 08:51 | Analyzed 02/11/25 00:28 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <49.8 | Qualifier U | RL | MDL | mg/Kg | <u>D</u> | 02/10/25 08:51 | 02/11/25 00:28 | Dil Fac |
| Analyte Gasoline Range Organics | Result | Qualifier U | RL 49.8 | MDL | | <u>D</u> | | | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.8 | Qualifier U | RL 49.8 | MDL | mg/Kg | <u>D</u> | 02/10/25 08:51 | 02/11/25 00:28 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.8 <49.8 | Qualifier U U U | 49.8 49.8 | MDL | mg/Kg | <u>D</u> | 02/10/25 08:51 02/10/25 08:51 | 02/11/25 00:28 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result <49.8 <49.8 <49.8 | Qualifier U U U | RL 49.8 49.8 49.8 | MDL | mg/Kg | <u>D</u> | 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 | 02/11/25 00:28 02/11/25 00:28 02/11/25 00:28 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 %Recovery | Qualifier U U U | 49.8 49.8 49.8 <i>Limits</i> | MDL | mg/Kg | <u>D</u> | 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared | 02/11/25 00:28 02/11/25 00:28 02/11/25 00:28 02/11/25 00:28 Analyzed | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion | Result <49.8 <49.8 <49.8 <49.8 <70 <49.8 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 | Qualifier U Qualifier Ohy - Solubl | RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130 | MDL | mg/Kg | <u> </u> | 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared 02/10/25 08:51 | 02/11/25 00:28 02/11/25 00:28 02/11/25 00:28 02/11/25 00:28 Analyzed 02/11/25 00:28 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate | Result <49.8 <49.8 <49.8 <49.8 <70 <49.8 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 <70 | Qualifier U U Qualifier | RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130 | MDL | mg/Kg mg/Kg mg/Kg | <u>D</u> | 02/10/25 08:51 02/10/25 08:51 02/10/25 08:51 Prepared 02/10/25 08:51 | 02/11/25 00:28 02/11/25 00:28 02/11/25 00:28 02/11/25 00:28 Analyzed 02/11/25 00:28 | Dil Fac |

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 Re |
|-------------------------|------------------------|----------|----------|----------------------|
| | | 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-Bromofluorober | nzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenz | zene (Surr) | | | |

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

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|----------|----------|--|
| | | 1001 | 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 | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Lab Sample ID: LCS 880-102328/1-A

Lab Sample ID: LCSD 880-102328/2-A

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analysis Batch: 102361

Analysis Batch: 102361

Analysis Batch: 102361

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102328

| | IVID | IVID | | | | | | | |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| 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 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 |
| | | | | | | | | | |

MB MB

MD MD

| Surrogate | %Recovery | 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 |

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102328

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

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102328

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |

LCSD LCSD

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

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

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102366

| | | MB | MB | | | | | | | |
|----|-----------------------------------|-----------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| 4 | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| (| Gasoline Range Organics | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| (| GRO)-C6-C10 | | | | | | | | | |
| | Diesel Range Organics (Over | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| (| C10-C28) | | | | | | | | | |
| | Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 02/10/25 08:51 | 02/10/25 21:43 | 1 |
| | | MD | МВ | | | | | | | |
| Ι. | | | | | | | | | | |
| 5 | Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |

70 - 130

70 - 130

Lab Sample ID: LCS 880-102366/2-A

Matrix: Solid

1-Chlorooctane

o-Terphenyl

Analysis Batch: 102365

Client Sample ID: Lab Control Sample

02/10/25 21:43

02/10/25 21:43

02/10/25 08:51

02/10/25 08:51

Prep Type: Total/NA Prep Batch: 102366

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

LCS LCS

90

97

%Recovery Qualifier Limits Surrogate 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

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

LCSD LCSD

| Surrogate | %Recovery Qualif | ier 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

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

Client: Earth Systems Response and Restoration

Job ID: 890-7649-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102339/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble** Analysis Batch: 102373

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

Lab Sample ID: LCSD 880-102339/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 102373 Spike LCSD LCSD

%Rec RPD Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits 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 890-7649-1 | Client Sample ID HA-6 | Prep Type Total/NA | Matrix Solid | Method 8021B | Prep Batch 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 |

Eurofins Carlsbad

Released to Imaging: 8/27/2025 2:13:20 PM

Lab Chronicle

Client: Earth Systems Response and Restoration

Job ID: 890-7649-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Client Sample ID: HA-6

Date Received: 02/07/25 11:59

Lab Sample ID: 890-7649-1 Date Collected: 02/06/25 13:45

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 | СН | 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 | Progra | am | Identification Number | Expiration Date | | |
|-----------------|---------------------------------|---------------------------------|---|------------------------|--|--|
| Texas | NELA | Р | T104704400 | 06-30-25 | | |
| • , | are included in this report, bu | ut the laboratory is not certif | fied by the governing authority. This lis | t may include analytes | | |
| 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 |
| 3015NM Prep | Microextraction | SW846 | EET MID |
| Ol 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 |

Gilbert Moreno

Earth Systems R&R

1910 Resource Ct.

Carlsbad, NM, 88220

Bill to: (if different)

Company Name:

City, State ZIP:

Address:

Project Manager:

Company Name:

City, State ZIP:

Address:

Environment Testing Xenco

Chain of Custody

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

Jim Raley

WPX Energy



www.xenco.com **Work Order Comments** Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting: Level II Level III PST/UST TRRP Level IV Deliverables: EDD ADaPT □ Other:

| Phone: 832-541-7719 | | | | Email: | gmoreno@ea | rthsys.r | <u>net</u> | | | | | | | | | Delive | ables: | EDD L | AD | aPT ☐ Oth | er: | |
|----------------------|-------------|------------|-----------------|-----------------|-------------------|---------------|---------------|---------|-------------|---------|------|------------|------|----------|-----|--------|--------|-------|----|--|-----------------------|------------------|
| Project Name: | Right Me | ow 31 (| CTB 7 | | urn Around | | | | | | | | ANAI | LYSIS | REQ | UEST | | | | Preser | vative Codes | |
| Project Number: | 2 | 2777 | | ☑ Routine | Rush | | Pres. Code | | | | | , | | | | | | | | None: NO | DI Water: H₂O | |
| Project Location: | Lea C | ounty, l | NM | Due Date: | 5 Day HR | TAT | | | | | | | | | | | | | | Cool: Cool | MeOH: Me | 1 |
| Sampler's Name: | Gilber | rt More | no | | day received by t | he lab, if | | | | | | | | | | | | | | HCL: HC | HNO ₃ : HN | |
| PO/WO #: | 21 | 480474 | | rec | eived by 4:30pm | | 2 | | | | | | | | | | | | | H ₂ S0 ₄ : H ₂ | NaOH: Na | 1 |
| SAMPLE RECEI | PT Temp E | Blank: | Yes No | Wet Ice: | Yes No |) | ameters | | | | | | | | | | | | | H₃PO₄: HP | | 1 |
| Samples Received In | ntact: Yes | No | Thermomet | er ID: | Time | 2 | Ē | | | | | | | | | | | | | NaHSO₄: NA | BIS | 00 |
| Cooler Custody Seals | s: Yes No | QUA | Correction I | Factor: | - O. Z | | <u>a</u> | | | _ | - | | | \vdash | | | - | + | | Na ₂ S ₂ O ₃ : Na | SO ₃ | f 18 |
| Sample Custody Sea | ls: Yes No | N A | Temperatur | e Reading: | 2.8 | | | | | | | | | | | | | | | Zn Acetate+N | laOH: Zn | 3 0 |
| Total Containers: | | | Corrected T | emperature: | 2.6 | | | | Z | | | ų, | | | | | | | | NaOH+Ascor | bic Acid: SAPC | 16 |
| Sample Iden | tification | Matrix | Date Sampled | Time Sampled | Depth (feet) | Grab/ Comp | # of Cont | MN- HAL | Chloride-NM | BTEX-NM | Hold | 24 Hr Rush | | | | | | | Ш | Sample | e Comments | Page |
| HA-6 | | S | 2.6.25 | 13:45 | 0.5 | Grab/ | 1 | Х | Х | Х | | | | | | | | | | Incide | ent Number | |
| | | | | | | | | | | | | | | | | | | | | nAPP: | 2500627175 | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | _ | | 4 |
| | | | | | | | | | | | | | | | | | | | | | | - |
| bre | ~ | | | | | | | | | | | | | | | | | | | | | _ [2 |
| 100 | | | | | | | | | | | | | | | | | | | | | | 30 |
| | | | | | | | | | | | | | | | | | | | | | | 73. |
| | | | | | | | | | | | | | | | | | | | | | | _ _ ; |

| Total 200.7 / 6010 200.8 / 6020 | | | | | |
|---------------------------------|-------|---------|------|---------|-------|
| | Total | 200.7 / | 6010 | 200.8 / | 6020: |

| Total 200.7 / 6010 200.8 / 602 Circle Method(s) and Metal(s) to be a | | s 11 Al Sb As Ba Be B Cd | Ca Cr Co Cu Fe Pb Mg Mn Mo | o Ni K Se Ag SiO ₂ Na Sr TI Sn Hg: 1631/245.1/ | | | | | | | | |
|---|--------------------------|--------------------------|------------------------------|--|-----------|--|--|--|--|--|--|--|
| lotice: 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 f 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 f 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 | | | | | | | |
| | | | 3 | | | | | | | | | |

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7649-1

SDG Number: Lea County, NM

Login Number: 7649
List Source: Eurofins Carlsbad
List Number: 1

Creator: Lopez, Abraham

| 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 | |

N/A

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<6mm (1/4").

Containers requiring zero headspace have no headspace or bubble is

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-7649-1

SDG Number: Lea County, NM

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

List Number: 2 Creator: Rodriguez, Leticia

Login Number: 7649

| 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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Environment Testing

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

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

Brianna Tel

Authorized for release by Brianna Teel, Project Manager Brianna.Teel@et.eurofinsus.com (432)704-5440 Generated 6/10/2025 1:46:35 PM Revision 1

12

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

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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7 SDG: Lea Coutny, NM

Job ID: 890-8098-1

Qualifiers

GC VOA

Qualifier **Qualifier Description** В 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**

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)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

Eurofins Carlsbad

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

Project: Right Meow 31 CTB 7

Job ID: 890-8098-1 (Continued)

Job ID: 890-8098-1

Eurofins Carlsbad

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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-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

05/07/25 08:05 05/09/25 16:24

Matrix: Solid

| 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 BT | EX - Total BTE | X Calculat | ion | | | | | | |
| 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 |

| 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 - Die | sol Rango | Organics (| DRO) (GC) | | | | | | |

| Method. 5W646 6015 NM - Dieser 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 - D | 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 |

| Method: EPA 300.0 - Anions, I | on Chromatography - S | Soluble | | | | | |
|-------------------------------|-----------------------|---------|----------|---|----------|----------------|---------|
| Analyte | Result Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 254 | 9.90 | mg/Kg | | | 05/07/25 15:48 | 1 |

70 - 130

Client Sample ID: HA-6 @ 4' Lab Sample ID: 890-8098-2 Date Collected: 05/05/25 12:10 **Matrix: Solid**

Sample Depth: 4'

Date Received: 05/06/25 09:10

Released to Imaging: 8/27/2025 2:13:20 PM

o-Terphenyl

| 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: Earth Systems Response and Restoration

Project/Site: Pight Many 21 CTP 7

Project/Site: Right Meow 31 CTB 7

Client Sample ID: HA-6 @ 4'

Lab Sample ID: 890-8098-2

Lab Sample ID: 890-8098-3

Matrix: Solid

Matrix: Solid

Job ID: 890-8098-1

SDG: Lea Coutny, NM

Date Collected: 05/05/25 12:10 Date Received: 05/06/25 09:10

Sample Depth: 4'

| Surrogate | %Recovery | Qualifier | Limits | Prepared Analy. | zed Dil F | ac |
|----------------------------|-----------|-----------|----------|-------------------------|-----------|----|
| 1,4-Difluorobenzene (Surr) | 109 | | 70 - 130 | 05/07/25 09:07 05/08/25 | 19:35 | 1 |

| 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 |

| Analyte | Result Qualifi | er 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 |

| 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'

| Mothod: CIMOAC 9024E | Volatile Organic | Compounds (CC) |
|----------------------|------------------|----------------|

| Welliou: Swo46 ouz16 - vo | ethod: Sw646 6021B - 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: T | ΊΔΊ | SOP | Total | RTFY | - Total | RTFY | 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 |

| Analyte | Result C | Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|----------|-----------|------|----------|---|----------|----------------|---------|
| Total TPH | <49.7 L | J | 49.7 | mg/Kg | | _ | 05/09/25 17:23 | 1 |

Eurofins Carlsbad

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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'

Date Collected: 05/05/25 12:20 Date Received: 05/06/25 09:10

Sample Depth: 2'

Lab Sample ID: 890-8098-3

Lab Sample ID: 890-8098-4

Matrix: Solid

Matrix: Solid

| 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 |

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

Client Sample ID: HA-3 @ 4'

Date Collected: 05/05/25 12:25 Date Received: 05/06/25 09:10

Sample Depth: 4'

| 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 BT | EX - Total BTE | X Calculat | ion | | | | | | |
| 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/l | | | 05/09/25 17:37 | 1 |

| Total II II | 440.0 | J | 40.0 | | mg/rtg | | | 00/00/20 17.07 | • |
|---|--------------|-----------|------------|-----|--------|---|----------------|----------------|---------|
| Method: SW846 8015B 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 |

Job ID: 890-8098-1

SDG: Lea Coutny, NM

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

Lab Sample ID: 890-8098-4

Matrix: Solid

Date Collected: 05/05/25 12:25 Date Received: 05/06/25 09:10

Client Sample ID: HA-3 @ 4'

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 | |

Date Received: 05/06/25 09:10

Sample Depth: 0.5'

| Chloride | 475 | 9.94 | mg/Kg | 05/07/25 16:03 | 1 |
|-----------------------------|----------|------|-------|------------------------|-------|
| Client Sample ID: HA- | 7 @ 0.5' | | | Lab Sample ID: 890-809 | 98-5 |
| Date Collected: 05/05/25 12 | 2:30 | | | Matrix: S | Solid |

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier **MDL** Unit Analyte RL Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 05/07/25 08:51 05/09/25 00:14 mg/Kg Toluene <0.00199 U 0.00199 mg/Kg 05/07/25 08:51 05/09/25 00:14 Ethylbenzene <0.00199 U 0.00199 mg/Kg 05/07/25 08:51 05/09/25 00:14 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 05/07/25 08:51 05/09/25 00:14 o-Xylene 0.00199 mg/Kg 05/07/25 08:51 05/09/25 00:14 0.0101 В **Xylenes, Total** 0.00398 mg/Kg 05/07/25 08:51 05/09/25 00:14 0.0101 Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 118 70 - 130 05/07/25 08:51 05/09/25 00:14 1,4-Difluorobenzene (Surr) 88 70 - 130 05/07/25 08:51 05/09/25 00:14

Method: TAL SOP Total BTEX - Total BTEX Calculation MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac 0.00398 **Total BTEX** 0.0101 mg/Kg 05/09/25 00:14

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier **MDL** Unit Dil Fac **Analyte** RL D Prepared Analyzed <50.0 U Total TPH 50.0 mg/Kg 05/09/25 17:52

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier **MDL** Unit RL Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 05/07/25 08:05 05/09/25 17:52 mg/Kg (GRO)-C6-C10 50.0 05/07/25 08:05 05/09/25 17:52 Diesel Range Organics (Over <50.0 U mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/07/25 08:05 05/09/25 17:52 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 88 70 - 130 05/07/25 08:05 05/09/25 17:52 o-Terphenyl 80 70 - 130 05/07/25 08:05 05/09/25 17:52

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 05/07/25 16:08 **Chloride** 192 9.96 mg/Kg

Matrix: Solid

Lab Sample ID: 890-8098-6

05/07/25 08:05 05/09/25 18:08

Client Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 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'

| 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 Ur | nit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | <49.8 | U | 49.8 | m | g/Kg | | | 05/09/25 18:08 | 1 |

| Method: SW846 8015B NM - [| Diesel Range | e Organics | s (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 |

| 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 |

70 - 130

80

Client Sample ID: HA-7 @ 4' Lab Sample ID: 890-8098-7 Date Collected: 05/05/25 12:40 **Matrix: Solid**

Sample Depth: 4

Date Received: 05/06/25 09:10

o-Terphenyl

| 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: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

Lab Sample ID: 890-8098-7

Lab Sample ID: 890-8098-8

Matrix: Solid

Client Sample ID: HA-7 @ 4' Date Collected: 05/05/25 12:40 Date Received: 05/06/25 09:10

Matrix: Solid

Job ID: 890-8098-1

SDG: Lea Coutny, NM

Sample Depth: 4

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

| 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 | ma/Ka | | | 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 | r | mg/Kg | | 05/07/25 08:05 | 05/09/25 18:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | r | mg/Kg | | 05/07/25 08:05 | 05/09/25 18:22 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | r | mg/Kg | | 05/07/25 08:05 | 05/09/25 18:22 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |

| Surrogate | %Recovery Qua | ıalifier 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 | I | 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'

| Mothod: CIMOAC 9024E | Volatile Organic | Compounds (CC) |
|----------------------|------------------|----------------|

| 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 |

| l Method: TΔI | SOP Total BTFX | - Total RTFX | 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 |

| 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 |

Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea Coutny, NM

Da Date Received: 05/06/25 09:10

Sample Depth: 2'

| Client Sample ID: HA-4 @ 2' | Lab Sample ID: 890-8098-8 |
|--------------------------------|---------------------------|
| Date Collected: 05/05/25 12:45 | Matrix: Solid |

| Method: SW846 8015B NM - I | 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 Chroma | tography - | 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'

Date Collected: 05/05/25 12:50

Date Received: 05/06/25 09:10

Sample Depth: 4'

| 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 | |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/07/25 08:51 | 05/09/25 01:36 | |
| Ethylbenzene | < 0.00202 | U | 0.00202 | | mg/Kg | | 05/07/25 08:51 | 05/09/25 01:36 | |
| 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 BTE | Result | Qualifier | RL | MDL | | <u>D</u> | Prepared | Analyzed | Dil Fac |
| Analyte Total BTEX | Result < 0.00404 | Qualifier U | RL 0.00404 | MDL | Unit mg/Kg | <u>D</u> | Prepared | Analyzed 05/09/25 01:36 | Dil Fac |
| Analyte | Result <0.00404 | Qualifier U | RL 0.00404 | MDL MDL | mg/Kg | <u>D</u> | Prepared Prepared | | 1 |
| Analyte Total BTEX Method: SW846 8015 NM - Di | Result <0.00404 | Qualifier U Organics (Qualifier | RL 0.00404 DRO) (GC) | | mg/Kg | _ = | <u> </u> | 05/09/25 01:36 | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH | Result <0.00404 iesel Range Result <49.9 | Qualifier U Organics (Qualifier U | RL 0.00404 DRO) (GC) RL 49.9 | | mg/Kg | _ = | <u> </u> | 05/09/25 01:36 Analyzed | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Di Analyte | Result <0.00404 iesel Range Result <49.9 Diesel Range | Qualifier U Organics (Qualifier U | RL 0.00404 DRO) (GC) RL 49.9 | | mg/Kg Unit mg/Kg | _ = | <u> </u> | 05/09/25 01:36 Analyzed | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - I | Result <0.00404 iesel Range Result <49.9 Diesel Range | Qualifier U Organics (Qualifier U Organics Qualifier U | RL 0.00404 DRO) (GC) RL 49.9 | MDL | mg/Kg Unit mg/Kg | <u></u> <u>D</u> | Prepared | 05/09/25 01:36 Analyzed 05/09/25 18:53 | Dil Fac |
| Analyte Total BTEX Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics | Result <0.00404 iesel Range Result <49.9 Diesel Range Result | Qualifier U Organics (Qualifier U Organics Qualifier U | RL 0.00404 DRO) (GC) RL 49.9 (DRO) (GC) RL | MDL | mg/Kg Unit mg/Kg Unit | <u></u> <u>D</u> | Prepared Prepared | 05/09/25 01:36 Analyzed 05/09/25 18:53 Analyzed | Dil Fac |

Eurofins Carlsbad

Dil Fac

Analyzed

Prepared

<u>05/07/25 08:05</u> <u>05/09/25 18:53</u>

05/07/25 08:05 05/09/25 18:53

Limits

70 - 130

70 - 130

%Recovery Qualifier

88

79

Lab Sample ID: 890-8098-9

Matrix: Solid

Surrogate

o-Terphenyl

1-Chlorooctane

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

Lab Sample ID: 890-8098-9

Client Sample ID: HA-4 @ 4'

Date Collected: 05/05/25 12:50 Date Received: 05/06/25 09:10

Matrix: Solid

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

Date Collected: 05/05/25 12:55 Matrix: Solid

Date Received: 05/06/25 09:10

Sample Depth: 2'

| 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 | |
| Toluene | < 0.00199 | U | 0.00199 | | mg/Kg | | 05/07/25 08:51 | 05/09/25 01:56 | |
| Ethylbenzene | < 0.00199 | U | 0.00199 | | mg/Kg | | 05/07/25 08:51 | 05/09/25 01:56 | |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 05/07/25 08:51 | 05/09/25 01:56 | |
| o-Xylene | < 0.00199 | U | 0.00199 | | mg/Kg | | 05/07/25 08:51 | 05/09/25 01:56 | |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 05/07/25 08:51 | 05/09/25 01:56 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | | | | 05/07/25 08:51 | 05/09/25 01:56 | |
| 1,4-Difluorobenzene (Surr) | 92 | | 70 - 130 | | | | 05/07/25 08:51 | 05/09/25 01:56 | |
| Method: TAL SOP Total BTEX | . Total BTE | X Calculat | ion | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 05/09/25 01:56 | - |
| Method: SW846 8015 NM - Die | | | | | | | | | |
| Analyte | _ | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | _ | Qualifier | | MDL | Unit mg/Kg | <u>D</u> | Prepared | Analyzed 05/09/25 19:07 | |
| Analyte Total TPH | Result <50.0 | Qualifier U | RL 50.0 | MDL | | <u>D</u> | Prepared | | |
| Analyte | Result <50.0 | Qualifier U | RL 50.0 | MDL MDL | mg/Kg | <u>D</u> | Prepared Prepared | | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - D | Result <50.0 | Qualifier U Organics Qualifier | RL 50.0 (GC) | | mg/Kg | | <u> </u> | 05/09/25 19:07 | 1 |
| Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <50.0 Diesel Range Result | Qualifier U Organics Qualifier U | 50.0 (GC) RL | | mg/Kg Unit | | Prepared 05/07/25 08:05 | 05/09/25 19:07 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Description Analyte Gasoline Range Organics | Result <50.0 Diesel Range Result <50.0 | Qualifier U Organics Qualifier U | RL 50.0 (GC) RL 50.0 | | mg/Kg Unit mg/Kg | | Prepared 05/07/25 08:05 05/07/25 08:05 | 05/09/25 19:07 Analyzed 05/09/25 19:07 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - December 2015 NM - Decembe | Result <50.0 Diesel Range Result <50.0 <50.0 | Qualifier U Organics Qualifier U U | RL 50.0 (GC) RL 50.0 50.0 | | mg/Kg Unit mg/Kg mg/Kg | | Prepared 05/07/25 08:05 05/07/25 08:05 | 05/09/25 19:07 Analyzed 05/09/25 19:07 05/09/25 19:07 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result <50.0 | Qualifier U Organics Qualifier U U | FRL 50.0 (GC) RL 50.0 50.0 50.0 | | mg/Kg Unit mg/Kg mg/Kg | | Prepared 05/07/25 08:05 05/07/25 08:05 05/07/25 08:05 Prepared | 05/09/25 19:07 Analyzed 05/09/25 19:07 05/09/25 19:07 05/09/25 19:07 | Dil Fac |

05/07/25 16:55

9.98

mg/Kg

115

Chloride

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

SDG: Lea Coutny, NM

Job ID: 890-8098-1

Client Sample ID: HA-5 @ 4' Date Collected: 05/05/25 13:00

Lab Sample ID: 890-8098-11

Date Received: 05/06/25 09:10

Matrix: Solid

Sample Depth: 4'

| 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 |

Analyte Unit Total BTEX <0.00399 U 0.00399 mg/Kg 05/09/25 02:17

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit Analyzed Dil Fac RL D Prepared Total TPH <49.8 U 49.8 05/09/25 19:37 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier **MDL** Unit Analyte RL D Analyzed Dil Fac Prepared <49.8 U 49.8 05/07/25 08:05 05/09/25 19:37 Gasoline Range Organics mg/Kg (GRO)-C6-C10 05/07/25 08:05 05/09/25 19:37 Diesel Range Organics (Over <49.8 U 49.8 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.8 U 49.8 05/07/25 08:05 05/09/25 19:37 mg/Kg %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed

1-Chlorooctane 70 - 130 05/07/25 08:05 05/09/25 19:37 85 o-Terphenyl 77 70 - 130 05/07/25 08:05 05/09/25 19:37

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 10.0 05/07/25 17:00 Chloride 84.2 mg/Kg

Client Sample ID: HA-8 @ 0.5" Date Collected: 05/05/25 13:05

Lab Sample ID: 890-8098-12

Date Received: 05/06/25 09:10

Matrix: Solid

Sample Depth: 0.5'

| 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: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

Client Sample ID: HA-8 @ 0.5"

Lab Sample ID: 890-8098-12

Lab Sample ID: 890-8098-13

Matrix: Solid

Matrix: Solid

Job ID: 890-8098-1

SDG: Lea Coutny, NM

Date Collected: 05/05/25 13:05 Date Received: 05/06/25 09:10

Sample Depth: 0.5'

| Surrogate | %Recovery Q | Qualifier Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-------------|------------------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 93 | 70 - 130 | 05/07/25 08:51 | 05/09/25 02:37 | 1 |

| 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 |

| Analyte | Result | Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|----------|---|----------|----------------|---------|
| Total TPH | <49.7 | U | 49.7 | ma/Ka | | | 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 |

| 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'

| Mothod: CIMOAC 9024E | Volatile Organic | Compounds (CC) |
|----------------------|------------------|----------------|

| Result | Qualifier | RL | MDL I | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|---|----------|----------|----------|----------|----------------|----------------|---|
| <0.00198 | U | 0.00198 | r | mg/Kg | | 05/07/25 08:51 | 05/09/25 02:58 | 1 |
| <0.00198 | U | 0.00198 | r | mg/Kg | | 05/07/25 08:51 | 05/09/25 02:58 | 1 |
| <0.00198 | U | 0.00198 | r | mg/Kg | | 05/07/25 08:51 | 05/09/25 02:58 | 1 |
| <0.00396 | U | 0.00396 | r | mg/Kg | | 05/07/25 08:51 | 05/09/25 02:58 | 1 |
| <0.00198 | U | 0.00198 | r | mg/Kg | | 05/07/25 08:51 | 05/09/25 02:58 | 1 |
| <0.00396 | U | 0.00396 | r | mg/Kg | | 05/07/25 08:51 | 05/09/25 02:58 | 1 |
| %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 108 | | 70 - 130 | | | | 05/07/25 08:51 | 05/09/25 02:58 | 1 |
| 94 | | 70 - 130 | | | | 05/07/25 08:51 | 05/09/25 02:58 | 1 |
| | <0.00198 <0.00198 <0.00198 <0.00396 <0.00396 <0.00396 %Recovery 108 | | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 | <0.00198 U 0.00198 mg/Kg 05/07/25 08:51 05/09/25 02:58 <0.00198 |

| Mothod: TAI | SOP Total RTFY | Total BTFX 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 |

| Analyte | Result Qu | alifier RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|------------|----------|---|----------|----------------|---------|
| Total TPH | <49.7 U | 49.7 | mg/Kg | | | 05/09/25 20:06 | 1 |

Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea Coutny, NM

Client Sample ID: HA-8 @ 2'

Lab Sample ID: 890-8098-13 Date Collected: 05/05/25 13:10 Date Received: 05/06/25 09:10

Matrix: Solid

05/07/25 17:11

Sample Depth: 2'

| 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, | lon Chromat | tography - | Soluble | | | | | | |
| Analyte | | Qualifier | RL | MDL | 1114 | D | Prepared | Analyzed | Dil Fac |

Client Sample ID: HA-8 @ 4' Lab Sample ID: 890-8098-14

10.0

mg/Kg

482

Date Collected: 05/05/25 13:15 **Matrix: Solid**

Date Received: 05/06/25 09:10

Sample Depth: 4'

Chloride

| 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 BTE | X Calculat | ion | | | | | | |
| 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 - Die | esel Range (| Organics (| DRO) (GC) | | | | | | |
| Method: SW846 8015 NM - Die Analyte | | Organics (Qualifier | DRO) (GC) RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | | Qualifier | | MDL | Unit mg/Kg | D | Prepared | Analyzed 05/09/25 20:20 | Dil Fac |
| Analyte Total TPH | Result <49.8 | Qualifier U | 49.8 | MDL | | <u>D</u> | Prepared | | |
| Analyte Total TPH Method: SW846 8015B NM - D | Result <49.8 | Qualifier U | 49.8 | | | <u>D</u> | Prepared Prepared | | |
| Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics | Result <49.8 | Qualifier U Organics Qualifier | RL 49.8 (DRO) (GC) | | mg/Kg | | | 05/09/25 20:20 | 1 |
| Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <49.8 Diesel Range Result <49.8 | Qualifier U Organics Qualifier U | RL 49.8 (DRO) (GC) RL 49.8 | | mg/Kg Unit mg/Kg | | Prepared 05/07/25 08:05 | 05/09/25 20:20 Analyzed 05/09/25 20:20 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <49.8 Diesel Range Result | Qualifier U Organics Qualifier U | RL 49.8 (DRO) (GC) RL | | mg/Kg Unit | | Prepared | 05/09/25 20:20 Analyzed | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <49.8 Diesel Range Result <49.8 | Qualifier U Organics Qualifier U | RL 49.8 (DRO) (GC) RL 49.8 | | mg/Kg Unit mg/Kg | | Prepared 05/07/25 08:05 | 05/09/25 20:20 Analyzed 05/09/25 20:20 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result | Qualifier U Organics Qualifier U U | RL 49.8 (DRO) (GC) RL 49.8 49.8 | | mg/Kg Unit mg/Kg mg/Kg | | Prepared 05/07/25 08:05 05/07/25 08:05 05/07/25 08:05 | 05/09/25 20:20 Analyzed 05/09/25 20:20 05/09/25 20:20 05/09/25 20:20 | 1 Dil Fac 1 |
| Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <49.8 Diesel Range Result <49.8 <49.8 | Qualifier U Organics Qualifier U U | RL 49.8 (DRO) (GC) RL 49.8 49.8 | | mg/Kg Unit mg/Kg mg/Kg | | Prepared 05/07/25 08:05 05/07/25 08:05 | 05/09/25 20:20 Analyzed 05/09/25 20:20 05/09/25 20:20 | 1 Dil Fac 1 1 |

Client Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 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 Analyzed Dil Fac D Prepared 05/07/25 17:16 Chloride 9.94 385 mg/Kg

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

| | | BFB1 | DFBZ1 | Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|----------|----------|--|
| Lab Sample ID | Client Sample ID | (70-130) | (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 | |
| 390-8098-6 | 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 | |
| VID 000-109003/3-A | Method Blank | 140 S1+ | 95 | |

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

| | | | Pe |
|---------------------|------------------------|----------|----------|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (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+ |

OTPH = o-Terphenyl

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

Matrix: Solid Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|----------------------|------------------|--|----------|--|--|--|--|
| | | 1CO1 | OTPH1 | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | |
| MB 880-109589/1-A | Method Blank | 140 S1+ | 124 | | | | |
| <u> </u> | <u> </u> | 140 S1+ | 124 | | | | |
| 1CO = 1-Chlorooctane | | | | | | | |

4

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Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 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

| | MB | MB | | | | | | | |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Analyte | Result | 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 |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery 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

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene 05/08/25 14:00 05/08/25 23:25 <0.00200 U 0.00200 mg/Kg Toluene mg/Kg 05/08/25 14:00 05/08/25 23:25 <0.00200 U 0.00200 Ethylbenzene mg/Kg 05/08/25 14:00 05/08/25 23:25 <0.00200 U 0.00200 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 05/08/25 14:00 05/08/25 23:25 o-Xylene <0.00200 U 0.00200 mg/Kg 05/08/25 14:00 05/08/25 23:25 Xylenes, Total <0.00400 U 0.00400 mg/Kg 05/08/25 14:00 05/08/25 23:25

MB MB

| Surrogate | %Recovery | 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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109603

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %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 | |

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 90 | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 103 | 70 - 130 |

Lab Sample ID: LCSD 880-109603/2-A

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Matrix: Solid

Analyte Benzene

Analysis Batch: 109699

| | | | | | | Prep Ty | pe: Tot | al/NA | |
|-------|--------|-----------|-------|---|------|----------|----------|-------|--|
| | | | | | | Prep Ba | itch: 10 | 9603 | |
| Spike | LCSD | LCSD | | | | %Rec | | RPD | |
| Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| 0.100 | 0.1004 | | ma/Ka | | 100 | 70 - 130 | | 35 | |

Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 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**

LCSD LCSD %Rec **RPD** Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Toluene 0.100 0.09198 mg/Kg 92 70 - 130 7 35 Ethylbenzene 0.100 0.08580 mg/Kg 86 70 - 13019 35 0.200 0.1428 71 70 - 130 35 m-Xylene & p-Xylene mg/Kg 24 0.100 35 o-Xylene 0.08155 mg/Kg 82 70 - 130 13

LCSD LCSD

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 88 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 97 | 70 - 130 |

Lab Sample ID: MB 880-109605/5-A **Client Sample ID: Method Blank**

Matrix: Solid

Analysis Batch: 109699

Prep Type: Total/NA

Prep Batch: 109605

MB MB Result Qualifier MDL Unit Prepared Dil Fac Analyte RL Analyzed Benzene <0.00200 U 0.00200 05/07/25 09:07 05/08/25 11:48 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg 05/07/25 09:07 05/08/25 11:48 Ethylbenzene <0.00200 U 0.00200 mg/Kg 05/07/25 09:07 05/08/25 11:48 05/07/25 09:07 05/08/25 11:48 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 05/07/25 09:07 05/08/25 11:48

0.00400

mg/Kg

MB MB

<0.00400 U

| Surrogate | %Recovery | 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

Xylenes, Total

Analysis Batch: 109699

Client Sample ID: Lab Control Sample

05/07/25 09:07 05/08/25 11:48

Prep Type: Total/NA

Prep Batch: 109605

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %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 | |

LCS LCS

| Surrogate | %Recovery | 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. | l ah | Control | Sample | Dun |
|---------|--------|-----|------|---------|--------|-----|
| Ciletit | Sample | ID. | Lab | Control | Sample | Dup |

Prep Type: Total/NA **Prep Batch: 109605**

| , | | | | | | | | | |
|--------------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |

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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**

| • | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|---------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 | |

LCSD LCSD

| Surrogate | %Recovery | 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

MB MB

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 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 |

MB MB

| Surrogate | %Recovery | 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 Samp | le ID: | Lab C | ontrol | Samp | le |
|-------------|--------|-------|--------|------|----|
|-------------|--------|-------|--------|------|----|

Prep Type: Total/NA

Prep Batch: 109589

| | Spike | LCS | LCS | | | | %Rec | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 1000 | 936.0 | | mg/Kg | | 94 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 916.6 | | mg/Kg | | 92 | 70 - 130 | |
| C10 C28) | | | | | | | | |

C10-C28)

LCS LCS

| Surrogate | %Recovery | 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

Prep Type: Total/NA Prep Batch: 109589

| | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Gasoline Range Organics | 1000 | 984.8 | | mg/Kg | | 98 | 70 - 130 | 5 | 20 | |
| (GRO)-C6-C10 | | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 981.6 | | mg/Kg | | 98 | 70 - 130 | 7 | 20 | |
| C10-C28) | | | | | | | | | | |

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

LCSD LCSD

%Recovery Qualifier Limits Surrogate 160 S1+ 1-Chlorooctane 70 - 130 o-Terphenyl 133 S1+ 70 - 130

Client Sample ID: HA-6 @ 2' Lab Sample ID: 890-8098-1 MS

Matrix: Solid

Analysis Batch: 109892

Prep Type: Total/NA

Prep Batch: 109589

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.8 U 998 1057 mg/Kg 106 70 - 130 (GRO)-C6-C10 mg/Kg Diesel Range Organics (Over <49.8 U 998 1009 98 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 91 70 - 130 70 - 130 o-Terphenyl 78

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 %Rec **RPD**

Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier Limits **RPD Analyte** Unit D %Rec I imit Gasoline Range Organics <49.8 U 998 1058 mg/Kg 106 70 - 130 0 20 (GRO)-C6-C10 998 70 - 130 Diesel Range Organics (Over <49.8 U 1029 mg/Kg 100 2 20

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 91 o-Terphenyl 79 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109608/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 109635

MB MB

Result Qualifier RL **MDL** Unit Dil Fac Analyte Prepared Analyzed 10.0 Chloride <10.0 U mg/Kg 05/07/25 14:45

Lab Sample ID: LCS 880-109608/2-A

Matrix: Solid

Analysis Batch: 109635

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 249.7 100 mq/Kq 90 - 110

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 Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109635

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 251.3 mg/Kg 101 90 - 110 20

Lab Sample ID: 890-8098-6 MS Client Sample ID: HA-7 @ 2' **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 109635

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Result Qualifier Added Unit D %Rec Limits Chloride 250 90 - 110 119 376.3 mg/Kg 103

Lab Sample ID: 890-8098-6 MSD Client Sample ID: HA-7 @ 2' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 109635

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Limits RPD Limit Unit %Rec Chloride 119 250 376.2 103 90 - 110 20 mg/Kg

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 |

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Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 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 |

Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 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 | |

Client: Earth Systems Response and Restoration

Job ID: 890-8098-1 Project/Site: Right Meow 31 CTB 7 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 |

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

SDG: Lea Coutny, NM

Job ID: 890-8098-1

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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA 5035 109605 05/07/25 09:07 MNR EET MID Prep 5.02 g 5 mL Total/NA Analysis 8021B **EET MID** 5 mL 5 mL 109699 05/08/25 19:35 MNR 1 Total/NA Analysis Total BTEX 109843 05/08/25 19:35 SM **EET MID** 1 Total/NA 8015 NM **EET MID** Analysis 1 109940 05/09/25 17:07 SM Total/NA Prep 8015NM Prep 10.03 g 10 mL 109589 05/07/25 08:05 EL **EET MID** Total/NA 8015B NM Analysis 1 uL 1 uL 109892 05/09/25 17:07 TKC **EET MID** Soluble 5.04 g 50 mL DI Leach 109608 05/07/25 09:16 SA **EET MID** Leach 05/07/25 15:53 CH Soluble Analysis 300.0 1 109635 **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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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

| | | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|---|----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| P | rep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| T | otal/NA | Prep | 5035 | | | 4.98 g | 5 mL | 109605 | 05/07/25 09:07 | MNR | EET MID |
| T | otal/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 109699 | 05/08/25 20:15 | MNR | EET MID |
| T | otal/NA | Analysis | Total BTEX | | 1 | | | 109843 | 05/08/25 20:15 | SM | EET MID |

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Released to Imaging: 8/27/2025 2:13:20 PM

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

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

Job ID: 890-8098-1

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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

Lab Sample ID: 890-8098-5

Matrix: Solid

Date Received: 05/06/25 09:10

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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

Lab Sample ID: 890-8098-6

Matrix: Solid

Date Received: 05/06/25 09:10

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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

Lab Sample ID: 890-8098-7

Matrix: Solid

Date Received: 05/06/25 09:10

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|----------------------|------------------|-------------------------|-----|--------|-----------------|---------------|------------------|----------------------------------|-----------|--------------------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 Total/NA | Prep Analysis | 8015NM Prep 8015B NM | | 1 | 10.04 g 1 uL | 10 mL 1 uL | 109589 109892 | 05/07/25 08:05 05/09/25 18:22 | EL TKC | EET MID EET MID |

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Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

SDG: Lea Coutny, NM

Job ID: 890-8098-1

Client Sample ID: HA-7 @ 4'

Lab Sample ID: 890-8098-7

Matrix: Solid

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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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 |

Lab Sample ID: 890-8098-8

Matrix: Solid

Client Sample ID: HA-4 @ 2'
Date Collected: 05/05/25 12:45
Date Received: 05/06/25 09:10

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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' Lab Sample ID: 890-8098-9

Date Collected: 05/05/25 12:50

Date Received: 05/06/25 09:10

Matrix: Solid

Matrix: Solid

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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: 890-809 | 8-10 |
|------------|-------------|-------|
| | Matrix: | Solid |

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed Analyst Lab Total/NA 5035 Prep 5.03 g5 mL 109603 05/07/25 08:51 AA **EET MID** Total/NA 8021B 05/09/25 01:56 MNR Analysis 1 5 mL 5 mL 109699 **EET MID** Total/NA Analysis Total BTEX 109843 05/09/25 01:56 SM **EET MID** 1 Total/NA Analysis 8015 NM 1 109940 05/09/25 19:07 SM **EET MID** Total/NA 8015NM Prep 10.01 q 109589 **EET MID** Prep 10 mL 05/07/25 08:05 EL Total/NA Analysis 8015B NM 1 uL 1 uL 109892 05/09/25 19:07 TKC **EET MID** 109608 Soluble 50 mL Leach DI Leach 5.01 g 05/07/25 09:16 SA **EET MID** Soluble Analysis 300.0 109635 05/07/25 16:55 CH **EET MID**

Eurofins Carlsbad

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Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

Lab Sample ID: 890-8098-11

Matrix: Solid

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

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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"

Lab Sample ID: 890-8098-12 Date Collected: 05/05/25 13:05

Matrix: Solid

Date Received: 05/06/25 09:10

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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

Lab Sample ID: 890-8098-13 **Matrix: Solid** Date Received: 05/06/25 09:10

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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

Lab Sample ID: 890-8098-14 **Matrix: Solid** Date Received: 05/06/25 09:10

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 |

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

SDG: Lea Coutny, NM

Client Sample ID: HA-8 @ 4'

Lab Sample ID: 890-8098-14

Matrix: Solid

Job ID: 890-8098-1

Date Collected: 05/05/25 13:15 Date Received: 05/06/25 09:10

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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

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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 | Progra | am | Identification Number | Expiration Date | | |
|------------------------|------------------------------|-----------------------------|--|-------------------------------|--|--|
| Texas | NELA | ס | T104704400 | 06-30-25 | | |
| The following analyte | a are included in this rene | rt but the laboratory is | not portified by the governing outbori | itu. This list may inslude ar | | |
| The following analytes | s are included in this repo | it, but the laboratory is i | not certified by the governing authori | ity. This list may include ar | | |
| , | does not offer certification | , | not certified by the governing author | ity. This list may include ar | | |
| , | • | , | Analyte | ity. This list may include ar | | |
| for which the agency | does not offer certification | • | , , , | ity. This list may include ar | | |

Method Summary

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

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

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| 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' |

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Chain of Custody

Environment lesting

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

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Project Manager: Gilbert Moreno Bill to: (if different) Jim Raley Company Name: Earth Systems R&R Company Name: Devon Energy Program: US Address: 1910 Resource Ct. State of Proj Address: City, State ZIP: Carlsbad, NM, 88220 City, State ZIP: Phone: ADaPT Deliverables: EDD 832-541-7719 Email: gmoreno@earthsys.net **Preservative Codes** Project Name: Right Meow 31 CTB 7 ANALYSIS REQUEST **Turn Around** Project Number: DI Water: H₂O None: NO 2777 ☑ Routine Rush Code Project Location: MeOH: Me Lea County, NM Cool: Cool Due Date: Routine TAT Sampler's Name: HNO3: HN HCL: HC Santiago Giron TAT starts the day received by the lab, if PO/WO #: NaOH: Na received by 4:30pm H2SO4: H2 Parameters SAMPLE RECEIPT H3PO4: HP Temp Blank: Yes No (Yes No Wet Ice: Samples Received Intact: NaHSO4: NABIS Yes No TNNGO Thermometer ID: Cooler Custody Seals: Na₂S₂O₃: NaSO₃ Yes No (N/A Correction Factor: -0.2 Sample Custody Seals: Zn Acetate+NaOH: Zn Yes No (N/A/Temperature Reading: Total Containers: NaOH+Ascorbic Acid: SAPC Corrected Temperature: -8.0 Chloride-NM 24 Hr Rush BTEX-NM MN- HAT Grab/ Date Sample Identification Time Matrix Sample Comments Depth (feet) Hold Sampled Sampled Comp HA-6 S 2 X Grab X X Incident Number 5.5.25 12:05 HA-6 S 4 X X X nAPP2500627175 Grab 5.5.25 12:10 55.25 0.5 12:15 Grab -HA-3 S 2 X X X Grab 5.5.25 12:20 HA7 HA-2 S 4 Grab X X X 5.5.25 12:25 S 0.5 X X HA-8 H4-7 5.5.25 12:30 Grab 1 X S 2 X X HA & HA-7 5.5.25 12:35 Grab 1 X S 4 HA-8 Grab X X X HA-7 5.5.25 12:40 1 2 S X X X HA-4 5.5.25 12:45 Grab

| Total | 200.7 / 601 | 0 200.8 / 6020: |
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8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn Hg: 1631/245.1/7470 / 7471

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

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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

| Work | Order | No: | |
|------|-------|-----|--|

| | | | | | | Н | bbs, NN | (575) | 392-75 | 50, Car | Isbad, | NM (57 | 5) 988- | 3199 | | | | | | VADADAL | kenco. | com | Page | 2 | of_ | 2 | | | | | |
|--|-----------------|------------|---------------|-----------------|-----------------|--------------------------------------|----------------|---------------|---------|--------------|---------|-----------|----------|------|-------|------|--|-------|-------|---------|------------------|-------|---|---------|--------------------|-------|---|---|--|---------|----|
| Project Manager: | Gilber | rt Moreno | | | | Bill to: (if different | | 19 | Jim R | alev | | | | | | | | | | W | ork Or | der C | omments | | | | | | | | |
| Company Name: | | Systems I | R&R | | | Company Name | | 700 | | n Ene | rav | | | | | | Program: UST/PST PRP Brownfields RRC Super | | | | | | | | Superf | und 🗌 | | | | | |
| Address: | | Resource | | | | Address: | | | DC10 | II LIIO | 9) | | | | | | 04-4- | -4 D | lant. | | | | | | | | | | | | |
| City, State ZIP: | | bad, NM, 8 | | | | City, State ZIP: | _ | | | | | | | | | | Reporting: Level II PST/UST TRRP | | | | Leve | i IV | | | | | | | | | |
| Phone: | | 41-7719 | 00220 | | Email | qmoreno@ear | theve n | ot | | | | | | | | | Deliverables: EDD ADaPT | | | | □ Ot | her: | | | | | | | | | |
| Project Name: | | | | | | | 1115 4 5.11 | GL | | | | | | | | | | | | | | | Droco | nyativ | e Code | es | | | | | |
| | - | Right Med | | TB 7 | 1 | urn Around | | Bean | | | | | | ANA | LYSIS | REQ | UEST | | | _ | | | | |) Wate | | | | | | |
| Project Number: | - | 2 | 777 | | ☑ Routine | Rush | | Pres. Code | | | | | | | | | | | | | | | None: NO | | | | | | | | |
| roject Location: | | | ounty. N | | Due Date: | Restine To | AT. | | | | | | | | | | | | | | | | Cool: Cool | | NeOH: I | | | | | | |
| Sampler's Name: | - | Santia | go Giro | on | | orts the day received by the lab, if | | | l. | | ľ | | | | l | | | | | | | | HCL: HC | | HNO3: F NaOH: N | | | | | | |
| | | | | , | rec | eived by 4:30pm | ived by 4:30pm | | | ed by 4:30pm | | by 4:30pm | | | | | | | | | | | | | | | - 1 | H ₂ S0 ₄ : H ₂ | | NaOH. I | •0 |
| SAMPLE RECE | | Temp B | (Direct Land) | (Yes) No | Wet Ice: | Yes, No |) | Parameters | į. | | | | | | | | | | 1 | | | | H₃PO₄: HP | , DIC | | | | | | | |
| Samples Received Cooler Custody Sea | Intact: | | | Thermomet | | TNAONT | | | | | | arai | | | | | | | | | | | | | | | NaHSO ₄ : NA Na ₂ S ₂ O ₃ : Na | | | | |
| Sample Custody Sea | | Yes No | - | Correction I | | -0.2 | | • | | | | | | | | | | | | | | - 1 | 000000000000000000000000000000000000000 | | 70 | | | | | | |
| Total Containers: | eals: | Yes No | (N/A | Temperatur | | -8.2 | | - | | _ | | | | | | | | | | | | | Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC | | PC. | | | | | | |
| o o namero. | | | | Corrected | emperature: | -8.0 | | | _ | Z | 2 | | Rush | | | | | | | | | | NaOrrasco | i Dic A | Jid. Or ii | _ | | | | | |
| Sample Ide | entificat | tion | Matrix | Date Sampled | Time Sampled | Depth (feet) | Grab/ Comp | # of Cont | TPH -NM | Chloride-NM | BTEX-NM | Hold | 24 Hr Ru | | | | | | | | | | Samp | le Co | mment | s | | | | | |
| HA | 4-4 | | S | 5.5.25 | 12:50 | 4 | Grab | 1 | × | Х | Х | | | | | | | | | | | | Incid | lent N | umber | R | | | | | |
| HA | \ -5 | | S | 5.5.25 | 12:55 | 2 | Grab | 1 | X | х | Х | | | | | | | | | | | | nAPF | 2500 | 627175 | , | | | | | |
| HA | N-5 | | S | 5.5.25 | 13:00 | 4 | Grab | 1 | Х | Х | Х | | | | | | | | | | | | | | | | | | | | |
| НА | 8 | | S | 5.5.25 | 13:05 | 0.5 | Grab | 1 | X | Х | Х | | | | | | | | | _ | | | | | | | | | | | |
| HA | -8 | | S | 5.5.25 | 13:10 | 2 | Grab | 1 | Х | Х | X | | | | | | | | | | | | | | | | | | | | |
| HA | -8 | | S | 5.5.25 | 13:15 | 4 | Grab | 1 | X | Х | Х | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Total 200.7/ | | 200.8 / 6 | | | 8RCRA | 13PPM Texa | s 11 / | N Sb | As B | a Be | ВС | d Ca | Cr Co | Cu | Fe F | b Mg | Mn | Mo Ni | K S | e Ag | SiO ₂ | Na S | r TI Sn U | V Zn | | | | | | | |

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Released to Imaging: 8/27/2025 2:13:20 PM

Received by OCD: 8/5/2025 7:33:30 AM

6/10/2025 (Rev. 1)

Ver: 10/10/2024

Eurofins Carlsbad

1089 N Canal St. Carlsbad, NM 88220

Chain of Custody Record



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Environment Testing

| Phone: 575-988-3199 Fax: 575-988-3199 | | | | | | | | | | | 82.54V | | | | | | | | | |
|--|---------------------------------|------------------|------------------|---|------------------|--------------|---------------|---------------|---------------------------------|--------------|---------------------|---------|----------|-------------|-------------|-----------|--------------|-------------------------|-----------------|----------|
| Client Information (Sub Contract Lab) | Sampler N/A | | | Τe | b PM: eel, Br | iann | a | | | | | | N/A | | | | | COC No: 890-5056.1 | | |
| Client Contact: Shipping/Receiving | Phone: N/A | | | | Mail: ianna | | | | | | | | State | e of Origin | | | | Page: Page 1 of 2 | | |
| Company: Eurofins Environment Testing South Centr | | | | | | ELAP | | | ired (S | See n | ote): | | | | | | | Job #: 890-8098-1 | | |
| Address: 1211 W. Florida Ave, | Due Date Requeste 5/12/2025 | ed: | | | | | | | | Aı | nalvs | sis R | eque | sted | | | | Preservation Cod | les: | |
| City: Midland | TAT Requested (da | iys): N/A | | | Ĭ, | | | | | | | | | | | | | | | |
| State, Zip: TX, 79701 | | | | | | | | | | | | | | | | | T. | | | |
| Phone: 432-704-5440(Tel) | PO#: N/A | | | | | | | | e j | | N. | | | | | | | | | |
| Email: N/A | WÖ#: N/A | | | | or No) | (0) | | | Chloric | | p 8015 | | | | 11 | | 90 | | | |
| Project Name: Right Meow 31 CTB 7 | Project #: 88001228 | | | | e (Yes | es or No) | | втех | EACH | | S_Prep | | | | | | containers | | | |
| Site: N/A | ssow#: N/A | | | | Sampl | MS/MSD (Yes | > | Calc B | D/DI_L | | 015NM | | | | | | 6 | Other: N/A | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | | Matrix (W=water, S=solid, O=waste/oil, | | Perform MS/M | Total_BTEX_GC | 8021B/5035FP_ | 300_ORGFM_28D/DI_LEACH Chloride | 8015MOD_Calc | 8015MOD_NM/8015NM_S | | | | | | Total Number | Special Ir | nstructions/N | lote: |
| | | > < | Preservation | on Code: | X | X | | 199 | | | | | | | | | X | 2 | _ | all tole |
| HA-6 (890-8098-1) | 5/5/25 | 12:05 Central | G | Solid | | | х | х | Х | Х | х | | | | | | 1 | | | |
| HA-6 (890-8098-2) | 5/5/25 | 12:10 Central | G | Solid | | | Х | Х | Х | X | х | | | - 1 | | | 1 | | | |
| HA-3 (890-8098-3) | 5/5/25 | 12:20 Central | G | Solid | | | Х | х | Х | Х | х | | | | | - | 1 | | | |
| HA-3 (890-8098-4) | 5/5/25 | 12:25 Central | G | Solid | | | х | Х | Х | Х | х | | | | | | 1 | | | |
| HA-8 (890-8098-5) | 5/5/25 | 12:30 Central | G | Solid | | | х | Х | Х | х | x | | | | | | 1 | | | |
| HA-8 (890-8098-6) | 5/5/25 | 12:35 Central | G | Solid | Ш | | Х | Х | Х | Х | х | | | | | | 1 | | | |
| HA-8 (890-8098-7) | 5/5/25 | 12:40 Central | G | Solid | Ш | Ш | Х | Х | Х | Х | х | | | | | | 1 | | | |
| HA-4 (890-8098-8) | 5/5/25 | 12:45 Central | G | Solid | Ш | | Х | Х | Х | Х | х | | | | | | 1 | | | |
| HA-4 (890-8098-9) | 5/5/25 | 12:50 Central | G | Solid | | | Х | Х | Х | Х | х | | | | | | 1 | | | |
| Note: Since laboratory accreditations are subject to change, Eurofins Envi laboratory does not currently maintain accreditation in the State of Origin I accreditation status should be brought to Eurofins Environment Testing Si | isted above for analysis/tests/ | matrix being a | nalyzed, the sam | ples must | be ship | ped b | oack to | o the | Eurofi | ns En | vironm | ent Tes | ting Sou | th Central | , LLC labor | ratory or | other i | instructions will be pr | ovided. Any cha | anges to |
| Possible Hazard Identification | | - 11 | | | | San | nple | Disp | osa | I (A | fee n | nay be | asse | ssed if | samples | are re | taine | ed longer than 1 | month) | 1 |
| Unconfirmed | | | | | | L | Re | eturn | To | Clien | it | | Dispo | sal By | Lab | ш | Arch | ive For | Months | |
| Deliverable Requested: I, II, III, IV, Other (specify) | Primary Delivera | able Rank: | 2 | | | Spe | cial I | Instru | uctio | ns/Q | C Re | quirem | ents: | | | | | | | |
| Empty Kit Refinquished by: | | Date: | | | Tin | ne: | | | | | 1 | | | Method | of Shipmer | nt: | | | | |
| Relinquished by Sun (| Date/Time: | 1 | 530 ° | ompany | | | Recei | ived b | y: 5 | 9 | 1 | | | | Date/Ti | | | | Company | |
| Relinquished by | Date/Time: | | | ompany | | | Recei | ived b | y: - | | - | | | | Date/Ti | me: | | | Company | 1 |
| Relinquished by: | Date/Time: | | Co | ompany | | | Recei | ived b | y: | | | | | | Date/Ti | me | | | Company | |
| Custody Seals Intact: Custody Seal No.: | | | | | | | Coole | r Tem | perat | ure(s) | °C and | d Other | Remark | S: | | | | | | |

Received by OCD: 8/5/2025 7:33:30 AM

- 2 m 4 m 0 r m 0 5 1 1 2 m

Eurofins Carlsbad

1089 N Canal St.

Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199 **Chain of Custody Record**

| TIP | ı |
|-----|-----|
| | fin |

Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | · | | | | PM el, Brianna | | | | | | | Carrier Tracking No(s): N/A | | | | | COC No: 890-5056.2 | | | |
|--|-------------------------|------------------|------------------|-----------------------|----------|----------------------------|----------------|-------------------|---------------------------------|-------------|--|----------|-----------------------------|------------|---------|-----------|--------------|-----------------------|------------------------|--------------------------|-------|
| Client Contact: | Phone: | | | | -Mail: | Jilai | inia | | | | | | | te of Orig | n: | | | | ige: | | |
| Shipping/Receiving | N/A | | | E | | | | et.eu | | | | | | xas | | | | | age 2 of 2 | | |
| Company: | | | | | | | | ns Req | | (See n | note): | | | | | | | _ | b #: | | |
| Eurofins Environment Testing South Centr Address: | Due Date Requeste | od s | | | - I | NEL/ | 4P - | Texas | 5 | | | | | | | | | _ | 90-8098-1 | | |
| 1211 W. Florida Ave, , | 5/12/2025 | | | | | | | | | Α | naly | sis F | Reque | sted | | | | Pr | eservation Code | s: | |
| City: Midland | TAT Requested (da | ys): N/A | | | | | | | Π | | | | | | | | | | | | |
| State, Zip: | | 14// | • | | | | 1 | | | | | | | | | | | | | | |
| TX, 79701 | | | | | | | | | | | | | | | | | | | | | |
| Phone: 432-704-5440(Tel) | PO#: N/A | | | | | | | | | | Σ | | | | | | | | | | |
| Email: | WO #: | | | | - 3 | 2 | | | orid | | 15 | | | | | | | | | | |
| N/A | N/A | | | | | <u> </u> | | | 동 | | 8 | | | | | | | 2 | | | |
| Project Name: | Project #: | | | | 7 | ة ا | | × | S H | | ١٠٠ | | | 1 1 | | | Confainare | | | | |
| Right Meow 31 CTB 7 Site: | 88001228 SSOW#: | | | | -18 | e Se | | втех | E | | × | | | | | | 1 2 | | L | | |
| N/A | N/A | | | | Ē | 000 | | a c | <u>8</u> | | 15N | | | | | | 20 00 | | her: A | | |
| | | | Sample Type | Matrix (w=water | . [| Perform MS/MSD (Yes or No) | Total_BTEX_GCV | 8021B/5035FP_Calc | 300_ORGFM_28D/DI_LEACH Chloride | OD_Calc | 8015MOD_NM/8015NM_S_Prep 8015 NM | | | | | | Total Mimber | | | - | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | | S=solid, O=waste/o | il. | er o | otal | 021B/ | 0 0 | 8015MOD | 015M | | | | | | ote | 100 | C | A A ² IA1 - A | |
| Sample Identification - Client ID (Cab ID) | Sample Date | Time | G=grab) BT | | | 米 | 扩 | - 8 | F | | +∞ | | | + | - | + | - | + | Special ins | tructions/Not | œ: |
| UA E (900 9009 40) | 5/5/05 | 12:55 | | | | ¥ | ١ | | 1 | <u> </u> | | | - | + | + | | -V | + | | | _ |
| HA-5 (890-8098-10) | 5/5/25 | Central | G | Solid | _ | 1 | X | X | × | X | X | | | \perp | 4 | | | 1 | | | |
| HA-5 (890-8098-11) | 5/5/25 | 13:00 Central | G | Solid | | | X | X | X | X | X | | | | | | 1 | 1 | | | |
| HA-9 (890-8098-12) | 5/5/25 | 13:05 Central | G | Solid | | | × | (x | X | × | X | | | | | | - | 1 | | | |
| HA-9 (890-8098-13) | 5/5/25 | 13:10 Central | G | Solid | | | Х | × | × | X | × | | | | | | | 1 | | | |
| HA-9 (890-8098-14) | 5/5/25 | 13:15 Central | G | Solid | | Т | × | × | X | x | х | | | | | | | 1 | | | |
| | | OCHILI | | | | Τ | \top | | | | | | | | | | | | | | |
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| | | | | | + | + | + | +- | \vdash | + | ╁╌ | | | + | + | | | + | | | |
| | | | | | + | ╁ | + | + | - | - | - | \vdash | | + | + | | | + | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Note: Since laboratory accreditations are subject to change, Eurofins Environmen laboratory does not currently maintain accreditation in the State of Origin listed ab accreditation status should be brought to Eurofins Environment Testing South Ce | ove for analysis/tests/ | matrix being a | nalyzed, the sam | ples mus | st be sh | hipped | d back | k to the | Euro | fins Er | nviron | nent Te | sting So | uth Centr | al, LLC | laborato | ry or other | er inst | tructions will be prov | rided Any chang | es to |
| Possible Hazard Identification | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 156 | | | | | | may b | _ | | | oies ar | | | longer than 1 r | | |
| Unconfirmed | 5: 5: | | | | | - | | Retur | | | | | | osal By | Lab | | Arc | chive | For | Months | |
| Deliverable Requested: I, II, III, IV, Other (specify) | Primary Delivera | able Rank: 2 | 2 | | | Sp | pecia | al Insti | ructio | ons/G | QC R | equirei | ments: | | | | | | | | |
| Empty Kit Relinquished by: | | Date: | | | T | ime | : | | | | | , | | Method | of Ship | pment: | | | | | |
| Relinquished by: | Date/Time: | 16 | 30 0 | mpany | | | Red | ceived | by: | 2 | 0 | 1 | | | Da | ite/Time: | | | | Company | |
| Relinquished by: | Date/Time: | | Co | mpany | | | Red | ceived | by: | | V | • | | | Da | ite/Time: | | | | Company | |
| Relinquished by: | Date/Time: | | Co | mpany | | | Red | ceived | by: | | | | | | Da | ite/Time: | | _ | | Company | |
| Custody Seals Intact: Custody Seal No.: Δ Yes Δ No | | | | | | | Cod | oler Te | mpera | ature(s | s) °C a | nd Othe | r Remar | KS: | | | | | | | |

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8098-1

SDG Number: Lea Coutny, NM

List Source: Eurofins Carlsbad

Login Number: 8098 List Number: 1

Creator: Lopez, Abraham

| 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 | |
| s 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 semm (1/4"). | N/A | |

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8098-1

SDG Number: Lea Coutny, NM

List Source: Eurofins Midland

List Creation: 05/07/25 07:47 AM

List Number: 2 Creator: Laing, Edmundo

Login Number: 8098

| 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 | N/A | |

Eurofins Carlsbad

Released to Imaging: 8/27/2025 2:13:20 PM

<6mm (1/4").

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



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

Brianna Tel

Generated 7/15/2025 1:34:45 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8439-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

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 Colony Forming Unit CFU **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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Job ID: 890-8439-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Right Meow 31 CTB 7

Eurofins Carlsbad Job ID: 890-8439-1

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

Date Collected: 07/10/25 10:00 Date Received: 07/10/25 12:43

Sample Depth: 1

Lab Sample ID: 890-8439-1

Matrix: Solid

| 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 Cald | culation | | | | | | | |
| 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 R | ange Organi | cs (DRO) (0 | SC) | | | | | | |
|----------------------------------|-------------|-------------|------|-----|-------|---|----------|----------------|---------|
| 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 |

| 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 C | hromatograp | hy - 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

Date Collected: 07/10/25 10:05 Date Received: 07/10/25 12:43

Sample Depth: 1

| 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 |

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-8439-2

Client Sample Results

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 - 2

Date Collected: 07/10/25 10:05 Date Received: 07/10/25 12:43

Sample Depth: 1

Analyte

Chloride

| 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 - 1 | Total BTEX Cald | culation | | | | | | | |
| 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 - Diese | el Range Organ | ics (DRO) (| GC) | | | | | | |
| Analyte | • | 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 - Dies | sel Range Orga | nics (DRO) | (GC) | | | | | | |
| Method: SW846 8015B NM - Dies Analyte | | nics (DRO) Qualifier | (GC) | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte | Result | Qualifier | | MDL | Unit mg/Kg | <u>D</u> | Prepared 07/10/25 13:21 | Analyzed 07/14/25 16:47 | Dil Fac |
| Analyte Gasoline Range Organics | Result | Qualifier | RL | MDL | | <u>D</u> | <u>.</u> | | Dil Fac |
| | Result | Qualifier U | RL | MDL | | <u>D</u> | <u>.</u> | | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result < 50.0 | Qualifier U | RL 50.0 | MDL | mg/Kg | <u>D</u> | 07/10/25 13:21 | 07/14/25 16:47 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result < 50.0 | Qualifier U | RL 50.0 | MDL | mg/Kg | <u> </u> | 07/10/25 13:21 | 07/14/25 16:47 | Dil Fac 1 1 |
| Analyte Gasoline Range Organics (GRO)-C6-C10 | Result <50.0 <50.0 | Qualifier U U U | FL 50.0 | MDL | mg/Kg | <u> </u> | 07/10/25 13:21 07/10/25 13:21 | 07/14/25 16:47 07/14/25 16:47 | Dil Fac |
| Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result <50.0 <50.0 <50.0 | Qualifier U U U | 50.0 50.0 50.0 | MDL | mg/Kg | <u>D</u> | 07/10/25 13:21 07/10/25 13:21 07/10/25 13:21 | 07/14/25 16:47 07/14/25 16:47 07/14/25 16:47 | 1 1 |

50.2

Result Qualifier

2440

MDL Unit

mg/Kg

D

Prepared

Dil Fac

Analyzed

07/11/25 17:44

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

| | | BFB1 | DFBZ1 | |
|---------------------|------------------------|----------|----------|--|
| Lab Sample ID | Client Sample ID | (70-130) | (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 | |

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

| | | 1CO1 | OTPH1 |
|---------------------|------------------------|----------|----------|
| Lab Sample ID | Client Sample ID | (70-130) | (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

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

MB MB

| 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 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 |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---|---------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 | 0 | 7/11/25 08:30 | 07/11/25 11:15 | 1 |
| 1,4-Difluorobenzene (Surr) | 85 | | 70 - 130 | 0 | 7/11/25 08:30 | 07/11/25 11:15 | 1 |

Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 113947

Lab Sample ID: LCS 880-113951/1-A

Prep Type: Total/NA

Prep Batch: 113951

| | Opine | LUG | LOG | | | | /orvec | |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %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 | |
| | | | | | | | | |

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 113947

Lab Sample ID: LCSD 880-113951/2-A

Prep Type: Total/NA **Prep Batch: 113951**

| | Spike | LCOD | LUSD | | | | 70Rec | | KPD | |
|---------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 | |
| | | | | | | | | | | |

LCSD LCSD

| Surrogate | %Recovery Q | ualifier | 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

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits <0.00199 U 0.0992 0.08468 85 70 - 130 Benzene mg/Kg Toluene <0.00199 U 0.0992 0.08409 mg/Kg 85 70 - 130

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Page 9 of 20

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

Analysis Batch: 113947

Client Sample ID: CS - 1 **Matrix: Solid** Prep Type: Total/NA **Prep Batch: 113951**

| | | | | MS | | | | %Rec |
|-----------|----------------------|--------------------------|---------------------------------------|-----------|--|--|--|----------|
| Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| <0.00199 | U | 0.0992 | 0.09442 | | mg/Kg | | 95 | 70 - 130 |
| <0.00398 | U | 0.198 | 0.1920 | | mg/Kg | | 97 | 70 - 130 |
| < 0.00199 | U | 0.0992 | 0.09620 | | mg/Kg | | 97 | 70 - 130 |
| | <0.00199 <0.00398 | <0.00199 U <0.00398 U | <0.00199 U 0.0992 <0.00398 U 0.198 | <0.00199 | <0.00199 U 0.0992 0.09442 <0.00398 U 0.198 0.1920 | <0.00199 U 0.0992 0.09442 mg/Kg <0.00398 U 0.198 0.1920 mg/Kg | <0.00199 U 0.0992 0.09442 mg/Kg <0.00398 U 0.198 0.1920 mg/Kg | <0.00199 |

MS MS

| Surrogate | %Recovery G | Qualifier | Limits |
|-----------------------------|-------------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 96 | | 70 - 130 |

Lab Sample ID: 890-8439-1 MSD

Client Sample ID: CS - 1 **Matrix: Solid** Prep Type: Total/NA **Prep Batch: 113951** Analysis Batch: 113947

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |
| | | | | | | | | | | | |

MSD MSD

| Surrogate | %Recovery Qu | ualifier | Limits |
|-----------------------------|--------------|----------|----------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

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

Matrix: Solid

Lab Sample ID: MB 880-113854/1-A Client Sample ID: Method Blank Prep Type: Total/NA Analysis Batch: 114088 **Prep Batch: 113854** мв мв

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics | <50.0 | U | 50.0 | | mg/Kg | | 07/10/25 07:59 | 07/14/25 09:41 | 1 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | | mg/Kg | | 07/10/25 07:59 | 07/14/25 09:41 | 1 |
| C10-C28) | | | | | | | | | |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 07/10/25 07:59 | 07/14/25 09:41 | 1 |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery 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

M

Diesel Range Organics (Over

| Matrix: Solid | | | | | | | Prep Type: Total/NA |
|-------------------------|-------|--------|-----------|-------|---|------|---------------------|
| Analysis Batch: 114088 | | | | | | | Prep Batch: 113854 |
| | Spike | LCS | LCS | | | | %Rec |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Gasoline Range Organics | 1000 | 1077 | | mg/Kg | | 108 | 70 - 130 |

1047

mg/Kg

C10-C28)

(GRO)-C6-C10

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Client Sample ID: Lab Control Sample

70 - 130

105

1000

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 Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 114088 **Prep Batch: 113854**

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 94 70 - 130 o-Terphenyl 103 70 - 130

Lab Sample ID: LCSD 880-113854/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 114088** Prep Batch: 113854

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 935.7 94 70 - 13020 Gasoline Range Organics mg/Kg 14

(GRO)-C6-C10 Diesel Range Organics (Over 1000 855.5 mg/Kg 86 70 - 13020 20 C10-C28)

70 - 130

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 100

92

мв мв

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113973/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 113994

o-Terphenyl

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride 10.0 <10.0 U mg/Kg 07/11/25 15:28

Lab Sample ID: LCS 880-113973/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 113994

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 232.7 mg/Kg 93 90 - 110

Lab Sample ID: LCSD 880-113973/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 113994

Released to Imaging: 8/27/2025 2:13:20 PM

Spike LCSD LCSD %Rec RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 232.9 93 90 - 110 20 mg/Kg

Eurofins Carlsbad

Prep Type: Soluble

Client: Earth Systems Response and Restoration

Job ID: 890-8439-1 Project/Site: Right Meow 31 CTB 7 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 | |
| Į | 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 | |

Eurofins Carlsbad

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Client: Earth Systems Response and Restoration

Job ID: 890-8439-1 Project/Site: Right Meow 31 CTB 7 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 |

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

Leach

Analysis

Lab Sample ID: 890-8439-1

Client Sample ID: CS - 1

SI

SMC

07/11/25 09:53

07/14/25 08:46

Matrix: Solid

Job ID: 890-8439-1

EET MID

EET MID

SDG: Lea County, NM

Date Collected: 07/10/25 10:00 Date Received: 07/10/25 12:43

Soluble

Soluble

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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 |

Client Sample ID: CS - 2 Lab Sample ID: 890-8439-2

5

4.96 g

50 mL

113973

113994

Date Collected: 07/10/25 10:05 **Matrix: Solid**

Date Received: 07/10/25 12:43

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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

DI Leach

300.0

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 | Progra | am | Identification Number | Expiration Date |
|--------------------------|---------------------------------|--------------------------------|--|------------------------|
| Texas | NELAF |) | T104704400 | 06-30-26 |
| The following analytes | are included in this report, bu | t the laboratory is not certif | ied by the governing authority. This lis | t may include analytes |
| for which the exercised | oes not offer certification. | • | , , , | , |
| ior writch the agency de | bes not oner certification. | | | |
| Analysis Method | Prep Method | Matrix | Analyte | |
| ů , | | Matrix Solid | Analyte Total TPH | |

Method Summary

Client: Earth Systems Response and Restoration

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Project/Site: Right Meow 31 CTB 7

Job ID: 890-8439-1 SDG: Lea County, NM

EET MID

EET MID

| Protocol | Laboratory | |
|----------|------------|---|
| SW846 | EET MID | |
| TAL SOP | EET MID | |
| SW846 | EET MID | _ |
| SW846 | EET MID | 5 |
| EPA | EET MID | |
| SW846 | EET MID | |

SW846

ASTM

Protocol References:

Method

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

8021B

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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 |

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

| oject Manager: | : Gilbert Moreno | | | Bill to: (if different) Jim Raley | | | | | _ | Work Order Comments | | | | | | | | | | | | | |
|--|---------------------------------|------------|------------------|-----------------------------------|---|------------------|---------------------|---------------------|----------|---|-----------|---------------|-------------|-------------|----------|---------------|--------------|----------|-----------------------|-------------------|---|--------------------------|--|
| ompany Name: | Earth Systems R&R Company Name: | | | | Devon Energy Program: UST/PST PRP Brownfields RRC Superfund | | | | | | | | | | | | | | | | | | |
| ldress: | 1910 Resource | Ct. | | | Address: | | | | | State of Project: | | | | | | _ | | | | | | | |
| ty, State ZIP: | Carlsbad, NM, | 88220 | | | City, State ZIP: | City, State ZIP: | | | | Reporting: Level II Level III PST/UST TRRP Le | | | | | | TRRP Level IV | | | | | | | |
| one: | 832-541-7719 | | | Email: | gmoreno@ea | rthsys.n | <u>et</u> | | | | | | | | | Deliveral | oles: I | EDD | | ADaP | Т□ | Other: | |
| oject Name: | Right Me | ow 31 | CTB 7 | 7 | Turn Around | 4 - 3 | | | | | | | ANAI | LYSIS | REQI | JEST | | | | | Pre | servative Codes | |
| oject Number: | VP | - 21525 | 5 | ☑ Routine | Rush | | Pres. Code | | | | | 3 | | and dell to | | ~' · | 00000 | | | | None: No | DI Water: H ₂ | |
| oject Location: | Lea C | ounty, | NM | Due Date: | Routine | | | | | | | | | | | | | | | - | Cool: Co | | |
| npler's Name: | | rt More | | TAT starts the | e day received by t | he lab, if | | | | | | | | | | | | | | | HCL: HC | | |
| WO #: | 21 | 480474 | | rec | eived by 4:30pm | | 2 | | | | | | | | | | | | | | H ₂ S0 ₄ : H | NaOH: Na | |
| MPLE RECEI | PT Temp E | Blank: | (Pas No | Wet Ice: | Mes No | 0 | eters | | | - | | 89 | 0-843 | 9 Chai | n of C | ustody | y | | H ₃ PO₄: F | | | | |
| ples Received In | tact: Res | No | Thermometer | er ID: | meo; | 7 | Param | - | | | | | | | | | - | - | -1 | 4 | NaHSO ₄ | | |
| ler Custody Seals | : Yes No | | Correction F | actor: | ~.7 | | , G | | - | | | | | | | | | | | | Na ₂ S ₂ O ₃ | | |
| nple Custody Sea | ls: Yes No | (MA) | | | 0.6 | | | | | | | = | | | | | - | | | | | te+NaOH: Zn | |
| I Containers: | | | Corrected T | emperature: | 0.4 | | | | | | | V mio | etals | ВТЕХ | RCI | | | Rush | | | NaOH+A | scorbic Acid: SAPC | |
| Sample Iden | tification | Matrix | Date Sampled | Time Sampled | Depth (feet) | Grab/ Comp | # of Cont | H. | Chloride | втех | SQL | Cation/ Anion | TCLP-Metals | TCLP. B | TCLP. R | | Hold | 24 Hr Ru | | | Sa | mple Comments | |
| CS- | 1 | S | 7.10.25 | 10:00 | 1 | Comp | 1 | Х | Х | Х | | | | | | | | | | | In | cident Number | |
| CS-2 | 2 | S | 7.10.25 | 10:05 | 1 | Comp | 1 | Х | Х | Х | | | | | | | | | | | n/ | APP2500627175 | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | / | | | | | | | | | | | | 1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Q. | | | | | | | | | | | | | | | | | | | | | | | |
| Carl | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| otal 200.7 / 60 | 10 200.8 / 6 | 020: | | 8RCRA | 13PPM Texas | s 11 Al | Sb | As Ba | a Be | B Cd | Ca | Or Co | Cu | Fe Pb | Mg | Mn Mo | Ni K | Se | Ag SiC | ₂ Na S | Sr TI Sn | U V Zn | |
| le Method(s) ar | | | zed | | | | | | | | | | | | | | | | | | | 7470 / 7471 | |
| ce: Signature of this o | | | | stitutes a valid r | ourchase order from | client cor | mpany t | o Eurof | ins Xen | co. its a | ffiliates | and sub | contrac | tors. It | assigns | standard 1 | erms a | nd cond | itions | | | | |
| vice. Eurofins Xenc ofins Xenco. A mini | o will be liable only | for the co | et of samples ar | nd shall not assu | ime any responsibil | ity for any | losses | or expe | enses in | curred I | ov the cl | ient if s | uch loss | ses are o | ue to ci | rcumstanc | es beyo | nd the | ontrol | | | | |
| | | OU WIII DE | | | | sample si | upititte | | | | | | | | | | | | | Signati | uro) | Date/Time | |
| elinquished by | (Signature) | | Rec | eived by: (Si | gnature) | ngues successive | Secretary and Apple | Comment of the last | /Time | | | - III)qui | sned | uy. (5 | ignatu | (e) | | veceiv | ed by. | Signati | uie) | Date/Time | |
| (non | 6 | a | lede | | | | 12 | : 4 | 3 | 7/1 | 2 | | | | | - | | | | | | | |
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| | | 1 | | | | | 4 | | | | | | | | | | | | | | | | |

| \overline{C} | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|----------------|------------------------------|--------------------------|-----------|------------------------------|--------------------------|--------------------------------------|
| y c | · (in | alida | 12:43 7/ | 2 | | |
| pa | 3 | | | 4 | | |
| eiv | 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

List Source: Eurofins Carlsbad

Login Number: 8439 List Number: 1

Creator: Bruns, Shannon

| 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 | |
| s 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 <6 mm (1/4"). | N/A | |

Released to Imaging: 8/27/2025 2:13:20 PM

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8439-1

SDG Number: Lea County, NM

List Source: Eurofins Midland

List Creation: 07/11/25 08:33 AM

List Number: 2 Creator: Rios, Minerva

Login Number: 8439

| 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 | |

7/15/2025

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 1:35:56 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

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

Brianna Tel

Generated 7/15/2025 1:35:56 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8440-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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**

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 |

Job ID: 890-8440-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Right Meow 31 CTB 7

Eurofins Carlsbad Job ID: 890-8440-1

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
- 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).

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.

Eurofins Carlsbad

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

| umpic | 000 0440 1 |
|-------|----------------|
| | Matrix: Solid |

_

| 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 |

9

| 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 | |

12

| 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 |

L

| Method: SW846 8015B NM - Diese | l Range Orga | nics (DRO) (0 | 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 |

RL

9.98

Oil Range Organics (Over C28-C36)

Surrogate

1-Chlorooctane

o-Terphenyl

| %Recovery | Qualifier | Limits |
|-----------|-----------|----------|
| 88 | | 70 _ 130 |
| 87 | | 70 - 130 |

| narad | Analyzod | Dil Fa | | |
|-----------|----------------|--------------------------|--|--|
| /25 07:58 | 07/14/25 17:03 | DII Fa | | |
| /25 07:58 | 07/14/25 17:03 | | | |
| | | /25 07:58 07/14/25 17:03 | | |

| Method: EPA 300.0 - Anions, Ion (| Chromatograp | hy - Soluble |
|-----------------------------------|--------------|--------------|
| Analyte | Result | Qualifier |
| Chloride | 742 | |

| MDL | MDL Unit | | Prepared | Analyzed | Dil Fac | |
|-----|----------|--|----------|----------------|---------|--|
| | 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-Bromofluorobei | nzene (Surr) | | | |
| DFBZ = 1,4-Difluoroben: | zene (Surr) | | | |

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

Matrix: Solid Prep Type: Total/NA

| | | | | Percent Surrogate Reco | overy (Acceptan |
|---------------------|------------------------|----------|----------|------------------------|-----------------|
| | | 1001 | 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

Eurofins Carlsbad

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

Lab Sample ID: LCS 880-113951/1-A

Lab Sample ID: LCSD 880-113951/2-A

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analysis Batch: 113947

Analysis Batch: 113947

Analysis Batch: 113947

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113951

| | IVID | IVID | | | | | | | |
|---------------------|-----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| 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 11:15 | |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | |
| Xylenes, Total | < 0.00400 | U | 0.00400 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | |
| | | | | | | | | | |

MB MB

MD MD

| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----|---------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 | 07 | 7/11/25 08:30 | 07/11/25 11:15 | 1 |
| 1.4-Difluorobenzene (Surr) | 85 | | 70 - 130 | 07 | 7/11/25 08:30 | 07/11/25 11:15 | 1 |

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113951

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08079 mg/Kg 81 70 - 130 Toluene 0.100 0.07916 mg/Kg 79 70 - 130 0.100 0.08871 Ethylbenzene mg/Kg 89 70 - 130 0.200 0.1827 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.09158 70 - 130 o-Xylene mg/Kg

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113951

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 |

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1

Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

MD MD

98

100

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

Lab Sample ID: LCS 880-113943/2-A

Matrix: Solid

1-Chlorooctane

Matrix: Solid

Analysis Batch: 114090

o-Terphenyl

Analysis Batch: 114090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113943

| A 14 | alyzed Dil Fac |
|---|----------------|
| Analyte Result Qualifier RL MDL Unit D Prepared Ai | ulyzeu Dilluc |
| Gasoline Range Organics <50.0 U 50.0 mg/Kg 07/11/25 07:50 07/14 | /25 09:41 1 |
| (GRO)-C6-C10 | |
| Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/11/25 07:50 07/14 | /25 09:41 1 |
| C10-C28) | |
| Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/11/25 07:50 07/14 | /25 09:41 1 |
| WD WD | |
| MB MB | |
| Surrogate %Recovery Qualifier Limits Prepared All | alyzed Dil Fac |

70 - 130

70 - 130

Client Sample ID: Lab Control Sample

07/14/25 09:41

07/14/25 09:41

07/11/25 07:50

07/11/25 07:50

Prep Type: Total/NA

Prep Batch: 113943

| | Spike | LCS | LCS | | | | %Rec | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 1000 | 1342 | *+ | mg/Kg | | 134 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 1556 | *+ | mg/Kg | | 156 | 70 - 130 | |
| C10-C28) | | | | | | | | |
| | | | | | | | | |

LCS LCS %Recovery Qualifier Limits Surrogate 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 Batch: 113943

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |

LCSD LCSD %Recovery Qualifier Limits Surrogate 140 S1+ 70 - 130 1-Chlorooctane 160 S1+ 70 - 130 o-Terphenyl

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

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 07/11/25 15:28 mg/Kg

Eurofins Carlsbad

Prep Type: Total/NA

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

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 113994

| | Spike | LCS | LCS | | | | %Rec | | |
|----------|-------|--------|-----------|-------|---|------|----------|--|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Chloride | 250 | 232.7 | | mg/Kg | | 93 | 90 - 110 | | |

Lab Sample ID: LCSD 880-113973/3-A

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Prep Type: Soluble

Analysis Batch: 113994

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | 250 | 232.9 | | mg/Kg | | 93 | 90 - 110 | 0 | 20 |

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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 | S 880-113951/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 113951 |
| LCS | SD 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 890-8440-1 | Client Sample ID SW-1 | Prep Type Total/NA | Solid | Method 8015B NM | Prep Batch 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 |

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Lab Chronicle

Client: Earth Systems Response and Restoration

Job ID: 890-8440-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County, NM

Client Sample ID: SW-1

Lab Sample ID: 890-8440-1

Matrix: Solid

Date Collected: 07/10/25 10:10 Date Received: 07/10/25 12:43

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | 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

Eurofins Carlsbad

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 | Progra | am | Identification Number | Expiration Date | | |
|-----------------|--|---------------------------------|---|------------------------|--|--|
| Texas | NELA | Р | T104704400 | 06-30-26 | | |
| | are included in this report, but ses not offer certification. | it the laboratory is not certif | fied by the governing authority. This lis | t may include analytes | | |
| Analysis Method | Prep Method | Matrix | Analyte | | | |
| 8015 NM | | Solid | Total TPH | | | |
| Total BTEX | | Solid | Total BTEX | | | |

Method Summary

Client: Earth Systems Response and Restoration

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Project/Site: Right Meow 31 CTB 7

Job ID: 890-8440-1

SDG: Lea County, NM

| Protocol | Laboratory |
|----------|------------|
| SW846 | EET MID |
| TAL SOP | EET MID |
| SW846 | EET MID |
| SW846 | EET MID |
| EPA | EET MID |
| SW846 | EET MID |

EET MID

EET MID

SW846

ASTM

Protocol References:

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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

Eurofins Carlsbad

Released to Imaging: 8/27/2025 2:13:20 PM

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 |

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

| Project Manager: | Gilbert Moren | 0 | | | Bill to: (if differer | nt) | | Jim F | Raley | | | | | | | Work Order Comments | | | | | | | |
|--|---------------|---------------------|-----------------|-----------------|--|---------------|---------------|--------------|----------|------|-----|--|-------------|----------------------|---|--|-------------------|------------------|----|--------------------|-------|---|----------------------|
| Company Name: | Earth System | s R&R | | | Company Nam | e: | | Devon Energy | | | | Program: UST/PST PRP Brownfields RRC Superfund | | | | | | | | | | | |
| Address: | 1910 Resource | e Ct. | | | Address: | | | | | | | | | | | State | of Pro | ject: | | | | | |
| City, State ZIP: | Carlsbad, NM | , 88220 | | | City, State ZIP: | | 1/18 | | | | | | | | | Reporting: Level II Level III PST/UST TRRP Level IV | | | | el IV 🗌 | | | |
| Phone: | 832-541-7719 |) | | Email | mail: gmoreno@earthsys.net | | | | | | | | | | | Delive | erables | : EDD | | A | ADaPT | T Other: | |
| Project Name: | Right M | eow 31 | CTB 7 | | Turn Around | | | | | | | | ANA | LYSIS | REC | UEST | | | | | | Preservative Code | es |
| Project Number: | VI | P- 2152 | 5 | ☑ Routine | Rush | | Pres. Code | | | | | | 7 100 | 3138 1 (1111) | 1 79 1 (1917) | | 181 61 6 1 | 1817 8 8 9 1 1 1 | li | | | None: NO DI Wate | er: H ₂ O |
| Project Location: | Lea | County, | NM | Due Date: | Routine | | | | | | | | - 11 | | | | | | - | | | Cool: Cool MeOH: | Me |
| Sampler's Name: PO/WO #: | | ert More 1480474 | | | e day received by t eived by 4:30pm | he lab, it | | | | | | | | | | | | | | | | HCL: HC HNO ₃ : F H ₂ S0 ₄ : H ₂ NaOH: I | |
| SAMPLE RECE | IPT Temp | Blank: | Yes, No | Wet Ice: | Yes N | 0 | eters | | | | | _ | 890 | 0-8440 |) Chai | n of Cu | stody | | | | | H ₃ PO ₄ : HP | |
| Samples Received I Cooler Custody Sea | | | Thermometer | | TMOC -0.2 | moc 7 | | | | | | | | | NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ | | | | | | | | |
| Sample Custody Sea | | | | | 0.6 | | | | | | | | | | | | | | | | | Zn Acetate+NaOH: Zn | |
| Total Containers: | | | Corrected To | emperature: | 0.4 | | 1.1 | | | | | Anion | tals | Ĕ | 5 | | | - La | | | | NaOH+Ascorbic Acid: SAI | PC |
| Sample Ider | ntification | Matrix | Date Sampled | Time Sampled | Depth (feet) | Grab/ Comp | # of Cont | 픁 | Chloride | ВТЕХ | SQL | Cation/ A | TCLP-Metals | TCLP- BTEX | TCLP. RCI | | Hold | 24 Hr Rush | | | | Sample Commen | ts |
| SW | -1 | S | 7.10.25 | 10:10 | 0-1 | Comp | 1 | Х | Х | Х | | | | | | | | 1 | | | | Incident Number | r |
| | | | | | | | | | | | | | | | | | | | | | | nAPP250062717 | 5 |
| | | | | | | - | | | | - | | | | | - | | | | | | | | |
| | | 1- | | | | <u> </u> | | | | | | | - | | | | | | - | | | | |
| Print | | | | | | | | | | | | | | | | | | Ĩ - , | | | | | |
| (All | | | | | | | | | | | | | ,- | | _ | | | | | | | | |
| | | | | | | | | | | | | | | | | - | | | - | | | | |
| Total 200.7 / 60 | 010 200.8/ | 6020: | | 8RCRA | 13PPM Texas | 1 A | l Sh | As Ba | . Be | B Cd | Ca | Cr Co | Cu | L Fe P | b Ma | Mn N | lo Ni | K Se | Ag | SiO ₂ N | Va Si | r TI Sn U V Zn | |

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

Hg: 1631 / 245.1 / 7470 / 7471

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

| 00 | Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|-----|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| by | · (woing | alch | 12:43 7/ | (2) | | |
| pa | 3 | | | 4 | | |
| ein | 5 | | | 6 | | |
| 67 | | | | | | |

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8440-1

SDG Number: Lea County, NM

Login Number: 8440
List Source: Eurofins Carlsbad
List Number: 1

Creator: Bruns, Shannon

| 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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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8440-1

SDG Number: Lea County, NM

List Source: Eurofins Midland List Creation: 07/11/25 08:33 AM

List Number: 2 Creator: Rios, Minerva

Login Number: 8440

| 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 | |

Euronnis Carisbau

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Environment Testing

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



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

Brisma Tel

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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: 890-8441-1 SDG: Lea County. NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8441-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County. NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

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 Colony Forming Unit CFU **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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Eurofins Carlsbad

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Job ID: 890-8441-1

Case Narrative

Client: Earth Systems Response and Restoration

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.

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Client Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8441-1 SDG: Lea County. NM

Project/Site: Right Meow 31 CTB 7

Lab Sample ID: 890-8441-1

Date Collected: 07/10/25 10:20 Date Received: 07/10/25 12:43

Client Sample ID: SW - 2

Matrix: Solid

Sample Depth: 0 - 1

| 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 - 1 | Total BTEX Cald | culation | | | | | | | |
| 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 |
| | el Range Organ | | | | 9/. 19 | | | | |
| Analyte | Result | ics (DRO) (C | GC) | MDL | Unit | <u>D</u> | Prepared | Analyzed | |
| | • | ics (DRO) (C | GC) | MDL | | <u>D</u> | Prepared | | Dil Fac |
| Analyte | Result <50.0 | ics (DRO) (Gualifier | RL 50.0 | MDL | Unit | <u>D</u> | Prepared | Analyzed | |
| Analyte Total TPH | Result <50.0 sel Range Orga | ics (DRO) (Gualifier | RL 50.0 | MDL | Unit mg/Kg | <u>D</u> | Prepared Prepared | Analyzed | 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics | Result <50.0 sel Range Orga | Qualifier Unics (DRO) Qualifier | RL 50.0 | | Unit mg/Kg | <u> </u> | <u> </u> | Analyzed 07/11/25 23:43 | 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies | Result <50.0 sel Range Orga Result | ics (DRO) ((Qualifier U nics (DRO) Qualifier U | (GC) RL RL | | Unit mg/Kg | <u> </u> | Prepared | Analyzed 07/11/25 23:43 Analyzed | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result <50.0 sel Range Orga Result <50.0 | ics (DRO) ((Qualifier U nics (DRO) Qualifier U | (GC) RL 50.0 RL 50.0 | | Unit mg/Kg Unit mg/Kg | <u> </u> | Prepared 07/11/25 10:03 | Analyzed 07/11/25 23:43 Analyzed 07/11/25 23:43 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result <50.0 | ics (DRO) ((Qualifier U nics (DRO) Qualifier U U | GC) RL 50.0 (GC) RL 50.0 50.0 | | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 07/11/25 10:03 07/11/25 10:03 | Analyzed 07/11/25 23:43 Analyzed 07/11/25 23:43 07/11/25 23:43 | 1 Dil Fac 1 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) | Result <50.0 | ics (DRO) ((Qualifier U nics (DRO) Qualifier U U | GC) RL 50.0 (GC) RL 50.0 50.0 | | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 07/11/25 10:03 07/11/25 10:03 | Analyzed 07/11/25 23:43 Analyzed 07/11/25 23:43 07/11/25 23:43 07/11/25 23:43 | Dil Fac 1 1 Dil Fac Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate | Result <50.0 | ics (DRO) ((Qualifier U nics (DRO) Qualifier U U | GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits | | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 07/11/25 10:03 07/11/25 10:03 07/11/25 10:03 Prepared | Analyzed 07/11/25 23:43 Analyzed 07/11/25 23:43 07/11/25 23:43 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result <50.0 | ics (DRO) ((Qualifier U nics (DRO) Qualifier U U Qualifier | GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130 | | Unit mg/Kg Unit mg/Kg mg/Kg | <u> </u> | Prepared 07/11/25 10:03 07/11/25 10:03 07/11/25 10:03 Prepared 07/11/25 10:03 | Analyzed 07/11/25 23:43 Analyzed 07/11/25 23:43 07/11/25 23:43 Analyzed 07/11/25 23:43 | 1 Dil Fac 1 1 1 1 Dil Fac 1 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Result | ics (DRO) ((Qualifier U nics (DRO) Qualifier U U Qualifier | GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130 | | Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg | <u> </u> | Prepared 07/11/25 10:03 07/11/25 10:03 07/11/25 10:03 Prepared 07/11/25 10:03 | Analyzed 07/11/25 23:43 Analyzed 07/11/25 23:43 07/11/25 23:43 Analyzed 07/11/25 23:43 | 1 Dil Fac 1 1 1 1 Dil Fac 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-Bromofluorobe | nzene (Surr) | | | |
| DFBZ = 1,4-Difluoroben: | zene (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

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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

Lab Sample ID: LCS 880-113951/1-A

Matrix: Solid

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene Xylenes, Total

Matrix: Solid

Analysis Batch: 113947

Analysis Batch: 113947

Client Sample ID: Method Blank

07/11/25 11:15

Prep Type: Total/NA

Prep Batch: 113951

| | MB | MB | | | | | | | |
|---|-----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | <0.00200 | U | 0.00200 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | 1 |
| | <0.00200 | U | 0.00200 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | 1 |
| | <0.00200 | U | 0.00200 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | 1 |
| • | <0.00400 | U | 0.00400 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | 1 |
| | < 0.00200 | U | 0.00200 | | mg/Kg | | 07/11/25 08:30 | 07/11/25 11:15 | 1 |

mg/Kg

MB MB

<0.00400 U

| Surrogate | %Recovery 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 |

0.00400

Client Sample ID: Lab Control Sample

07/11/25 08:30

Prep Type: Total/NA

Prep Batch: 113951

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08079 mg/Kg 81 70 - 130 Toluene 0.100 0.07916 mg/Kg 79 70 - 130 0.100 Ethylbenzene 0.08871 mg/Kg 89 70 - 130 0.200 91 70 - 130 m-Xylene & p-Xylene 0.1827 mg/Kg 0.100 0.09158 70 - 130 o-Xylene mg/Kg 92

LCS LCS

| Surrogate | %Recovery | 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

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit 35 Benzene 0.100 0.08508 mg/Kg 85 70 - 130 5 Toluene 0.100 0.08523 mg/Kg 85 70 - 130 35 Ethylbenzene 0.100 0.09520 mg/Kg 95 70 - 130 35 m-Xylene & p-Xylene 0.200 0.1953 mg/Kg 98 70 - 130 35 0.100 0.09856 o-Xylene mg/Kg 99 70 - 130 35

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 |

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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

| | MB | MB | | | | | | | |
|-----------------------------------|-----------|-----------|--------|-------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL U | Init | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <50.0 | U | 50.0 | n | ng/Kg | | 07/11/25 10:03 | 07/11/25 18:24 | 1 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | <50.0 | U | 50.0 | n | ng/Kg | | 07/11/25 10:03 | 07/11/25 18:24 | 1 |
| C10-C28) | | | | | | | | | |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | n | ng/Kg | | 07/11/25 10:03 | 07/11/25 18:24 | 1 |
| | MD | МВ | | | | | | | |
| | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |

70 - 130

70 - 130

Lab Sample ID: LCS 880-113975/2-A

Matrix: Solid

1-Chlorooctane

o-Terphenyl

Analysis Batch: 113978

Client Sample ID: Lab Control Sample

07/11/25 18:24

07/11/25 18:24

07/11/25 10:03

07/11/25 10:03

Prep Type: Total/NA

Prep Batch: 113975 %Rec

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits 1000 1073 107 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 1011 mg/Kg 101 70 - 130C10-C28)

Limits

LCS LCS %Recovery Qualifier Surrogate

1-Chlorooctane 116 70 - 130 o-Terphenyl 105 70 - 130

Lab Sample ID: LCSD 880-113975/3-A

Matrix: Solid

Analysis Batch: 113978

| Client Samp | ile ID: La | b Control S | ample Dup |
|-------------|------------|-------------|-----------|

Prep Type: Total/NA

Prep Batch: 113975

RPD

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|-----------------------------|---------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics | 1000 | 1131 | | mg/Kg | | 113 | 70 - 130 | 5 | 20 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 1057 | | mg/Kg | | 106 | 70 - 130 | 4 | 20 |
| C10-C28) | | | | | | | | | |
| LC | SD LCSD | | | | | | | | |

101

101

| Surrogate | %Recovery 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

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 07/11/25 15:28 mg/Kg

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Client: Earth Systems Response and Restoration

Project/Site: Right Meow 31 CTB 7

Job ID: 890-8441-1

SDG: Lea County. NM

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-113973/2-A

Matrix: Solid

| Analysis Batch: 113994 | | | | | | | | |
|------------------------|-------|--------|-----------|-------|---|------|--------|--|
| | Spike | LCS | LCS | | | | %Rec | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Chloride | 250 | 232.7 | | ma/Ka | | 93 | 90 110 | |

Lab Sample ID: LCSD 880-113973/3-A

Matrix: Solid

| Analysis Batch: 113994 | | | | | | | | | |
|------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | 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 |
| 1 | LCS 880-113951/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 113951 |
| L | 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 890-8441-1 | Client Sample ID SW - 2 | Prep Type Total/NA | Matrix Solid | Method 8015B NM | Prep Batch 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 Ba | tch |
|---------------------|------------------------|-----------|--------|----------------|-----|
| 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 |

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Lab Chronicle

Client: Earth Systems Response and Restoration

Job ID: 890-8441-1 Project/Site: Right Meow 31 CTB 7 SDG: Lea County. NM

Client Sample ID: SW - 2

Lab Sample ID: 890-8441-1 Date Collected: 07/10/25 10:20

Matrix: Solid

Date Received: 07/10/25 12:43

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | 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

Eurofins Carlsbad

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 | Progra | am | Identification Number | Expiration Date | |
|-----------------|---------------------------------|---------------------------------|---|------------------------|--|
| Texas | NELA | Р | T104704400 | 06-30-26 | |
| • , | are included in this report, bu | ut the laboratory is not certif | fied by the governing authority. This lis | t may include analytes | |
| 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 |
|-------------|------------------------------------|----------|------------|
| 3021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 3015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 3015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 800.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| Ol 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

Eurofins Carlsbad

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 |

| C* | |
|----------|--|
| eurofins | |

Environment Testing Xenco

Chain of Custody

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

| Work O | rder No: | |
|--------|----------|--|
| | | |

www.xenco.com

Page

| Project Manager: | Gilbert | t Moreno | Bill to: (if different) | | | | Jim Raley | | | | | Work Order Comments | | | | | | | | | | | | | |
|--|-----------|---|-------------------------|-----------------------------|--|--|-----------------|---------------|--------------|----------|------|---------------------|-----------|-------------|--|--------------|---------------|--------------------------|----------------------------|----------|--|------|-------------------------------------|-----------------|------------------|
| Company Name: | Earth S | Systems | s R&R | | | Company Nam | e: | | Devon Energy | | | | | | Program: UST/PST 🗌 PRP 🗌 Brownfields 📗 RRC 📗 Superfund 🗌 | | | | | | | | | | |
| Address: | 1910 F | Resource | Ct. | | Address: State of Project: | | | | | | | | | | | | | | | | | | | | |
| City, State ZIP: | Carlsb | ad, NM, | 88220 | | City, State ZIP: Reporting: Level II Level III | | | | | | | | | vel III 🗌 | ☐ PST/UST ☐ TRRP ☐ Level IV ☐ | | | VΠ | | | | | | | |
| Phone: | 832-54 | 11-7719 | | | Email | gmoreno@ea | rthsys.i | net | | | | | | | | | Delive | erables | : EDD | | A | DaPT | ☐ Oth | ner: | |
| Project Name: | | Right Me | ow 31 (| CTB 7 | | Turn Around | | | | | | | | ANA | I YSIS | REC | UEST | | | | | | Prese | vative Code: | |
| Project Number: | | VP | - 21525 | | ☑ Routine | Rush | | Pres. Code | | | | | | 7 | | 17 E 1011F T | Hitilde et la | HILL et e ller al | | 41 | | N | None: NO | DI Water: | H ₂ O |
| Project Location: | | Lea C | ounty, I | NM | Due Date: | Routine | • | | | | | | | | | | | | | <u> </u> | | - | Cool: Cool | MeOH: M | э — |
| Sampler's Name: PO/WO #: | | | rt More 480474 | no | | e day received by t eived by 4:30pm | he lab, if | | | | | | | | | | | | HCL: HC HNO ₃ : | | HNO ₃ : HI NaOH: N | | | | |
| SAMPLE RECEI | PT | Temp E | Blank: | Yes No | Wet Ice: | Yes N | 0 | eters | | | | | | 890 | 0-8441 | Chair | of Cu | stody | | | | - | 1 ₃ PO ₄ : HP | | |
| Samples Received In Cooler Custody Seal | s: | Yes No | N/A | Thermometer Correction F | actor: | throo - 0.2 | 7 | Param | | | | | | | | | | | | | | N | NaHSO₄: NA Na₂S₂O₃: Na | SO ₃ | |
| Sample Custody Sea Fotal Containers: | ls: | Yes No N/A Temperature Reading: Corrected Temperature: | | | - 10 | | emperature: O.U | | 0.4 | | | | | | Anion | etais | втех | RCI | <u> </u> | | Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: S | | |) | |
| Sample Iden | tificatio | on | Matrix | Date Sampled | Time Sampled | Depth (feet) | Grab/ Comp | # of Cont | H. | Chloride | втех | TDS | Cation/ A | TCLP-Metals | TCLP- B | TCLP- R | | PioH | 24 Hr Rush | | | | Sample Comments | | |
| SW | 2 | | S | 7.10.25 | 10:20 | 0-1 | Comp | 1 | Х | Х | Х | | | | | | | | | | | | Incid | ent Number | Т |
| | | | | | | | | | | | | | | | | | | | | | | | nAPF | 2500627175 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| ~ law | | | | | | | | | | | | | | | | | | | | | | | | | |
| - Carr | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | <u> </u> | | | | | | | | | = |
| Total 200.7 / 60 Circle Method(s) ar | | 200.8 / 60 al(s) to be | | zed | 8RCRA | 13PPM Texas | 11 A | I Sb / | As Ba | в | B Cd | Ca (| Cr Co | Cu | Fe Pi | Mg | Mn N | lo Ni | K Se | e Ag | | | TI Sn U 245.1 / 747 | | |

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 |
|------------------------------|--------------------------|---------------------------------------|------------------------------|--------------------------|-------------------------------------|
| · Calding | alida _ | 12:43 7/1 | 2/1 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |
| | | · · · · · · · · · · · · · · · · · · · | | P | ovised 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 Source: Eurofins Carlsbad

List Number: 1 Creator: Bruns, Shannon

Question Answer Comment The cooler's custody seal, if present, is intact. N/A N/A Sample custody seals, if present, are intact. The cooler or samples do not appear to have been compromised or True tampered with. Samples were received on ice. True True Cooler Temperature is acceptable. 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 True HTs) 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 True MS/MSDs Containers requiring zero headspace have no headspace or bubble is N/A

4

6

8

10

40

13

14

<6mm (1/4").

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8441-1

SDG Number: Lea County. NM

List Source: Eurofins Midland

List Creation: 07/11/25 08:34 AM

Login Number: 8441 List Number: 2

Creator: Rios, Minerva

| 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 | N/A | |

<6mm (1/4").

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

QUESTIONS

Action 491949

QUESTIONS

| Operator: | OGRID: |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 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, Page 2

Action 491949

| QUESTI | ONS (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 | [6 111] Tellicated Cooling Product Control (6 111 7 Closure) |
| 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 s | |
| 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. |
| | ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission. |
| to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to | knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or |
| 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 3

Action 491949

QUESTIONS (continued)

| Operator: | OGRID: |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 491949 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Site Characterization | | |
|---|--------------------------------|--|
| Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date. | | |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 51 and 75 (ft.) | |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search | |
| Did this release impact groundwater or surface water | No | |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | | |
| A continuously flowing watercourse or any other significant watercourse | Between 1 and 5 (mi.) | |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 1 and 5 (mi.) | |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) | |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 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 as | ssociated 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 millig | grams per kilograms.) | |
| Chloride (EPA 300.0 or SM4500 CI 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 4

Action 491949

QUESTIONS (continued)

| Operator: | OGRID: |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 491949 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Remediation Plan (continued) | |
|---|--|
| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | |
| (Select all answers below that apply.) | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for off-site disposal | 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.

Name: James Raley Title: EHS Professional I hereby agree and sign off to the above statement 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 5

Action 491949

QUESTIONS (continued)

| Operator: | OGRID: |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 491949 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

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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Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

QUESTIONS, Page 6

Action 491949

Santa Fe, NM 87505

State of New Mexico

| QUESTIONS (continued) | |
|-------------------------------------|---|
| Operator: | OGRID: |
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 491949 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

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

I hereby agree and sign off to the above statement

Email: jim.raley@dvn.com
Date: 08/05/2025

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

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 491949

QUESTIONS (continued)

| Operator: | OGRID: |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 491949 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Reclamation Report | | |
|---|----|--|
| Only answer the questions in this group if all reclamation steps have been completed. | | |
| Requesting a reclamation approval with this submission | No | |

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

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CONDITIONS

Action 491949

CONDITIONS

| Operator: | OGRID: |
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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 |