

Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	8/27/2025						
Site or Line Name:	MAL-12-35 08.27.25						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16	98	70	0.055333333	379.5866667	10.83	Fine Sand
Medium Sand	0.25				0	0.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravely Sand	0.26				0	0.00	Gravely Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Caliche	0.25				0	0.00	Caliche
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X			0	0	0.00	Standing Liquids



November 24, 2025

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

RE: **MAL-12-35 - Closure Request Report**
Incident Number: nAPP2523946119
GPS: 32.733017°, -103.882788°
Eddy County, New Mexico
ESRR Project No. 7140

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Kinetik Midstream (Kinetik), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling events associated with an inadvertent release of crude oil at the MAL-12-35 (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Kinetik is requesting No Further Action (NFA) at the Site.

Site Location & Incident Description

The Site is located in Unit E, Section 21, Township 18 South, Range 31 East, in Eddy County, New Mexico (32.733017°, -103.882788°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (**Figure 1**).

On August 27, 2025, a leak from a corroded subsurface pipeline occurred, causing the release of 11 barrels (bbls) onto a Kinetik right-of-way and adjacent native soils. Due to sandy soil conditions, no fluids were reported to have been recovered. Kinetik gave notice to the New Mexico Oil Conservation Division (NMOCD) on August 27, 2025, by Notification of Release (NOR) and a Corrective Action Form C-141 (Form C-141) and was subsequently assigned Incident Number nAPP2523946119. ESRR conducted initial site assessment activities and mapped the observed release footprint on August 28, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**).

Site Characterization

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

- Between 1,000 feet and ½ mile of any continuously flowing watercourse or any other significant watercourse;
- Between 1 and 5 miles of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- Greater than 5 miles of an 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;

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- Between 1 and 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 1,000 feet and ½ mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- Between 1 and 5 of any unstable area (non-karst); and
- Between 1 and 5 miles of a 100-year floodplain.

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

Based on the results from the desktop review and depth to ground water estimated to be greater than 50 feet below ground surface (bgs), the following Closure Criteria was applied:

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

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

TPH= Gasoline Range Organics + Diesel Range Organics + Oil Range Organics

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

Delineation Activities

On September 3, 2025, ESRR conducted delineation activities to assess the presence or absence of soil impacts associated with the AOC. Ten delineation boreholes (HA-1 through HA-18, HA-1A, and HA-2A) 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 one soil sample was collected from each delineation borehole, representing the highest observed field screening concentration and/or the greatest depth. Delineation soil samples were placed directly into lab-provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities are attached.

Laboratory analytical results for soil samples (HA-5 through HA-8 and HA-1A) were compliant with the Site Closure Criteria and/or the reclamation standard defining the horizontal periphery of the AOC.

Laboratory analytical results for delineation soil samples collected within the AOC (HA-1 through HA-4, and HA-2A) indicated either BTEX, TPH(DRO)+TPH(GRO), total TPH, and/or chloride were above the Site Closure Criteria and/or the reclamation standard up to 4 feet bgs. Elevated BTEX is characterized by a concentration of 88.7 mg/kg. Elevated TPH(DRO)+TPH(GRO) is characterized by concentrations ranging from 4,078 mg/kg to 25,500 mg/kg. Elevated Total TPH is characterized by concentrations ranging from 151 mg/kg to 27,700 mg/kg. Elevated chloride is characterized by concentrations ranging from 989 mg/kg to 1,290 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**.

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Remediation Activities

During October 2025, a Kinetik third-party contractor performed excavation activities of identified impacts via mechanical equipment, based on laboratory analytical results associated with delineation soil sampling activities and visual observation. The excavation was vertically advanced to depths ranging from 2 to 4 feet bgs.

Following the removal of soil, ESRR collected five-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-13) and sidewalls (SW-1 and SW-4). The five-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon resealable plastic bag. The confirmation soil samples were handled as previously described and transported under strict chain-of-custody procedures, to Envirotech in Farmington, New Mexico, for analysis of the COCs.

Laboratory analytical results for confirmation soil samples (CS-3 and CS-4) indicated TPH(DRO)+TPH(GRO) and total TPH concentrations exceeded the Site Closure Criteria and/or reclamation standard. Elevated TPH(DRO)+TPH(GRO) is characterized by concentrations ranging from 1,860 mg/kg to 6,310 mg/kg. Elevated total TPH is characterized by concentrations ranging from 4,160 mg/kg to 10,420 mg/kg.

Additional excavation in the proximities to confirmation soil samples (CS-3 and CS-4) were vertically advanced an additional foot to an approximate depth of 3 feet bgs. Following the removal of soil, ESRR collected, handled, transported, and analyzed the confirmation soil samples as previously described.

Laboratory analytical results indicated that concentrations of COCs for all final confirmation soil samples do not exceed the applicable Site Closure Criteria or the reclamation standard. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all final confirmation soil samples are shown in **Figure 3**.

Approximately 520 cubic yards (CY) of impacted soil was removed from the Site and transported to Lea Land, LLC Landfill near Carlsbad, New Mexico under Kinetik 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 for all final confirmation soil samples, Kinetik believes the soil impacts associated with the inadvertent release have been excavated and removed from the Site in accordance with Site Closure Criteria. Kinetik believes the completed remedial actions meet the requirements set forth in NMAC 19.15.29.13 regulations in order to be protective of human health, the environment, and groundwater. As such, NFA appears warranted at this time, and Kinetik respectfully requests Closure of this CRR associated with Incident Number nAPP2523946119.

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

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Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

A handwritten signature in black ink that appears to read "Gilbert Moreno".

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

A handwritten signature in black ink that appears to read "Kris Williams".

Kris Williams, CHMM, REM
Principal

cc: Ivan Jimenez, Kinetik Midstream
Sebastian Orozco, Kinetik Midstream
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
- Referenced Well Record
- Photographic Documentation
- Table 1 - Soil Sample Analytical Results
- NMOCD Email Documentation & Correspondence
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports

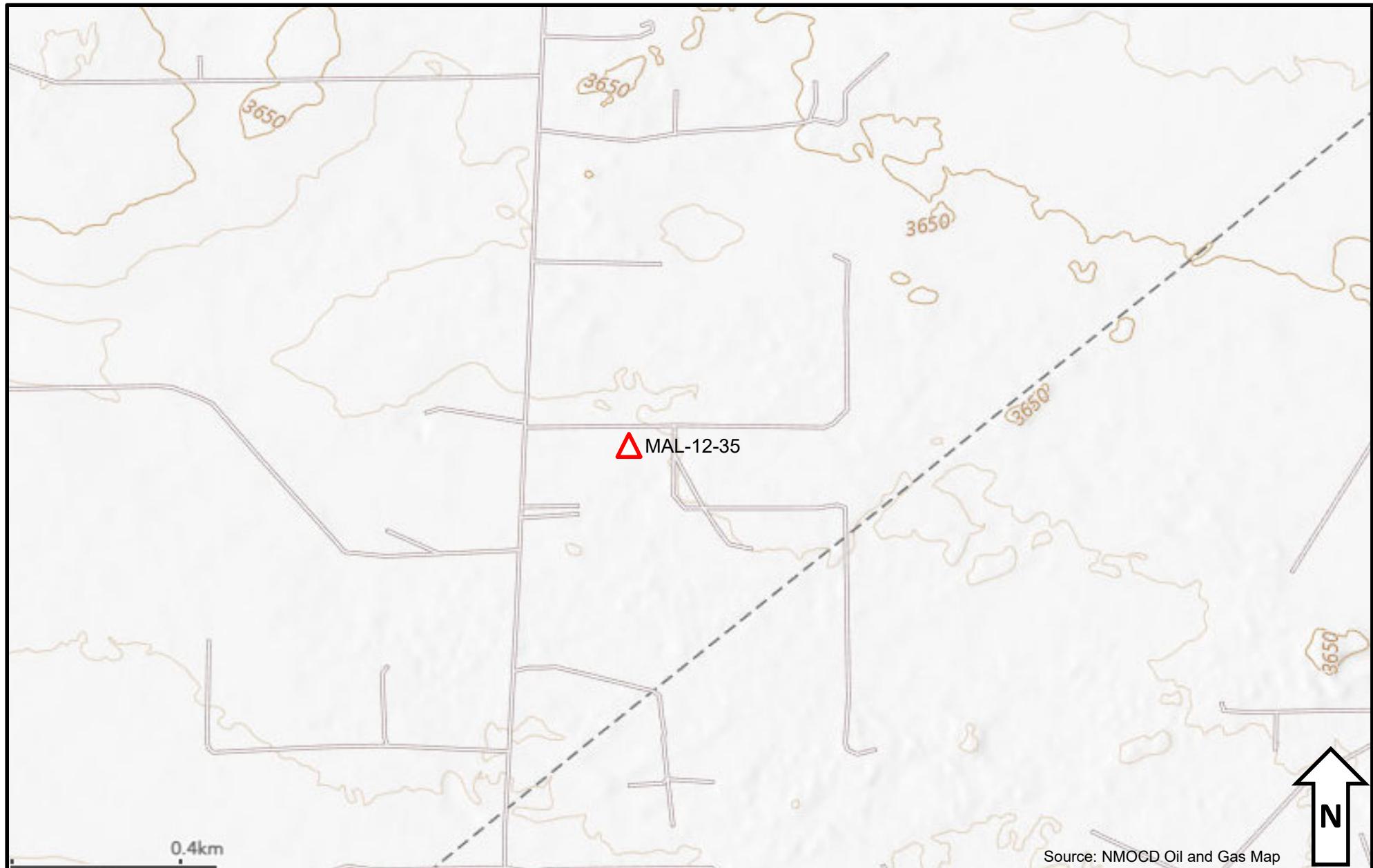


Figure 1 – Site Map

Kinetik Midstream – MAL-12-35
GPS: 32.733017°, -103.882788°
Eddy County, New Mexico

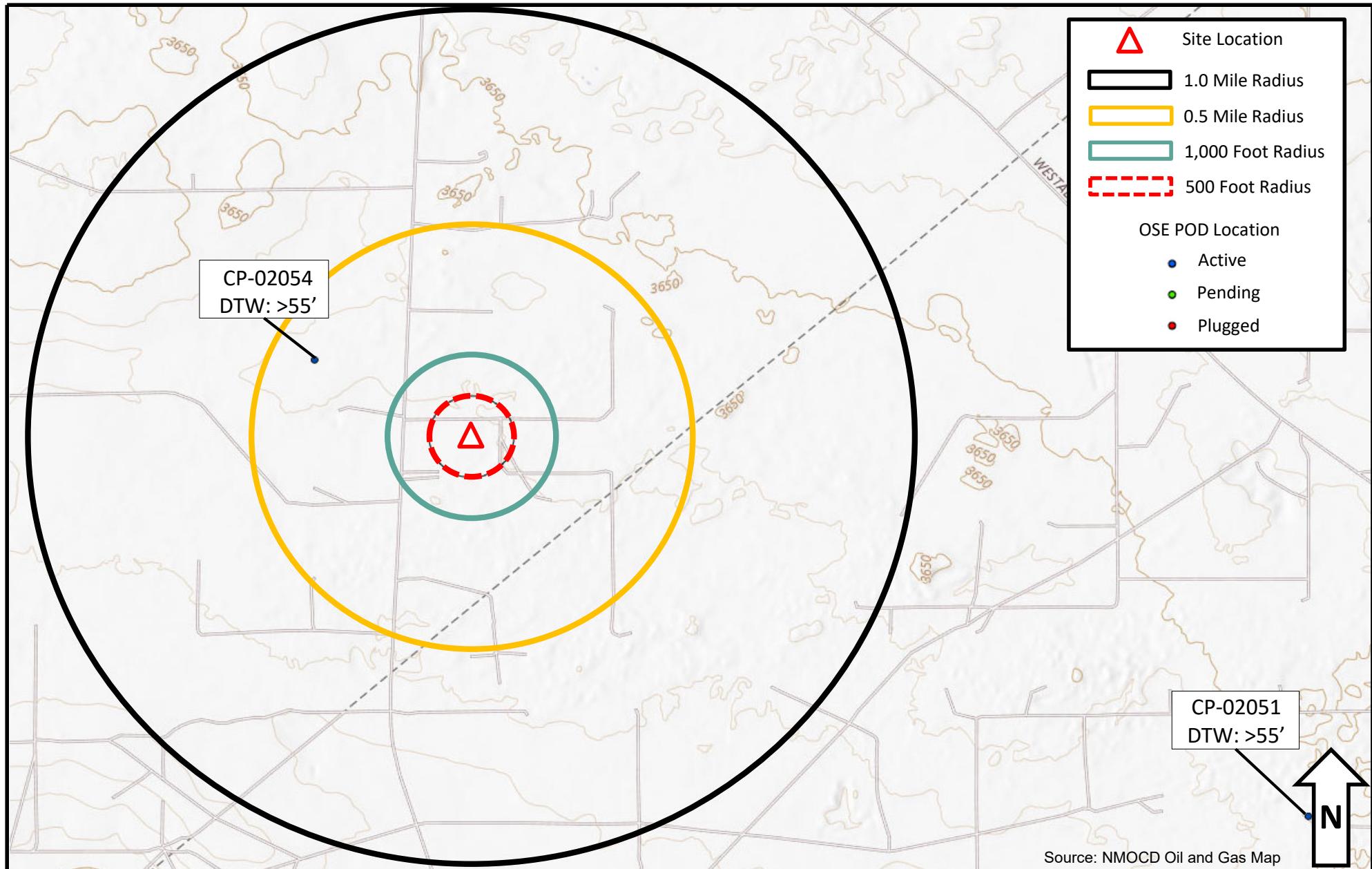


Figure 1A – Ground Water

Kinetik Midstream – MAL-12-35
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Eddy County, New Mexico



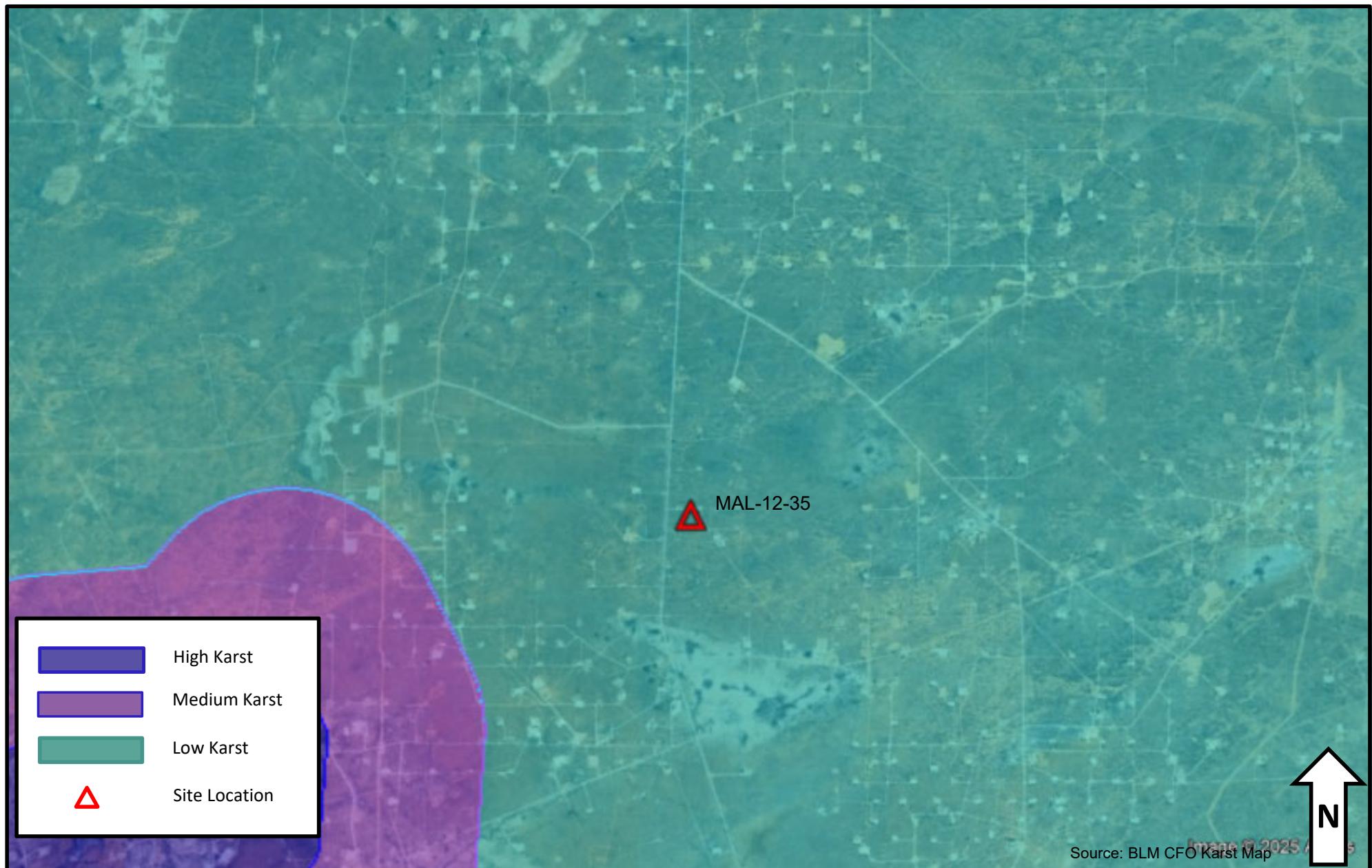


Figure 1B – Karst Potential

Kinetik Midstream – MAL-12-35
GPS: 32.733017°, -103.882788°
Eddy County, New Mexico



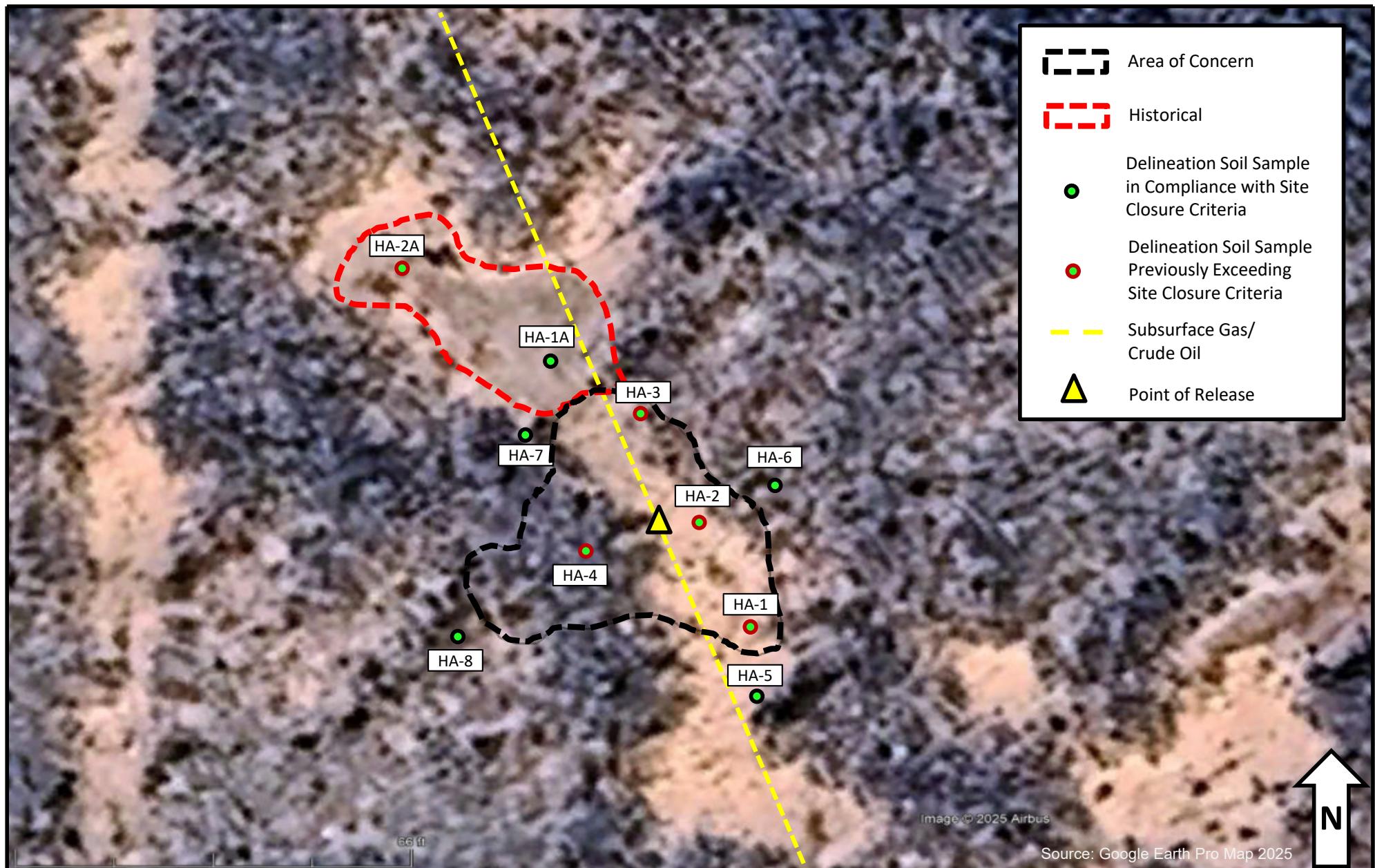


Figure 2 – Delineation Soil Sample Locations

Kinetik Midstream – MAL-12-35
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Eddy County, New Mexico

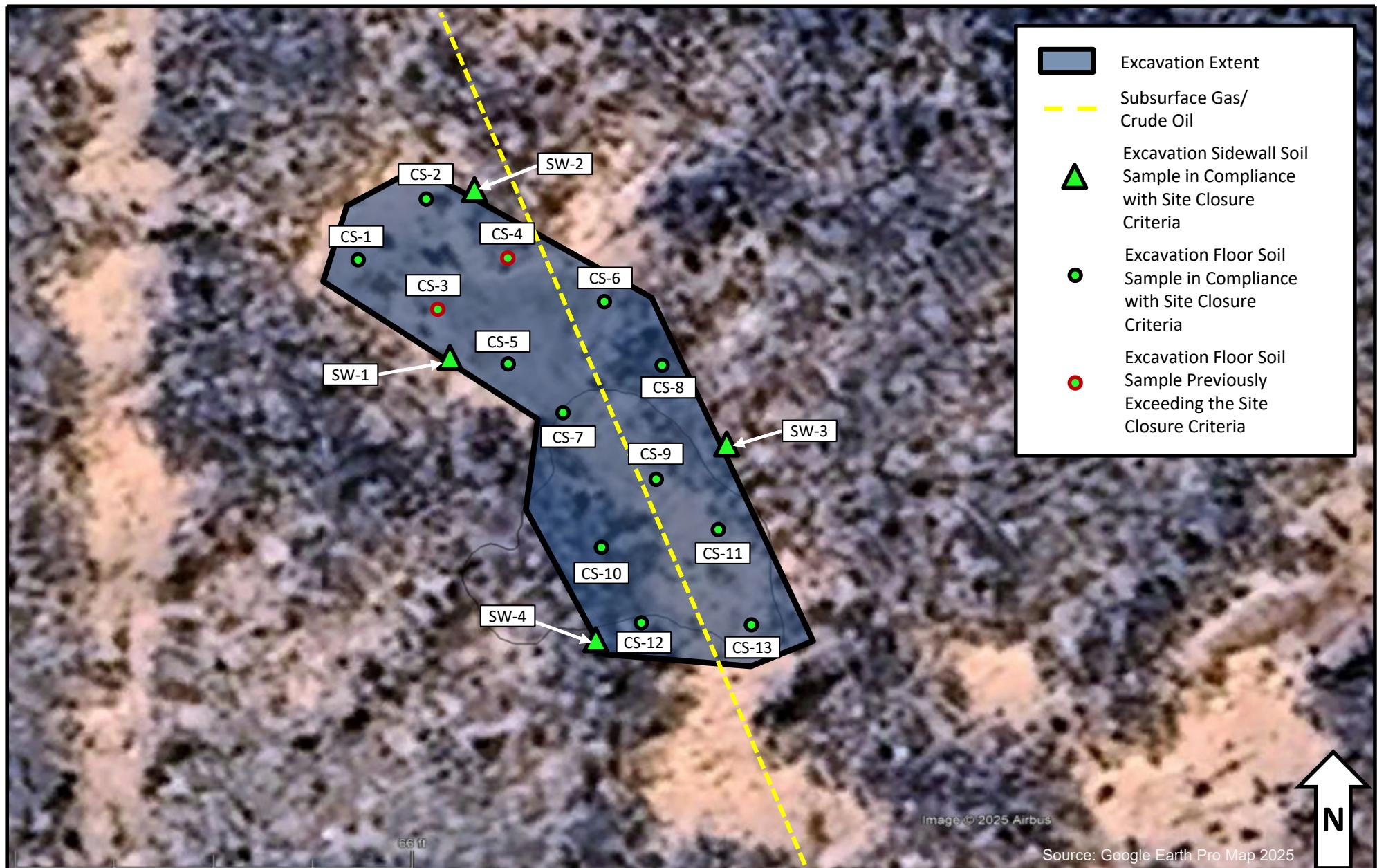


Figure 3 – Excavation Soil Sample Locations

Kinetik Midstream – MAL-12-35
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Eddy County, New Mexico



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1			WELL TAG ID NO.		OSE FILE NO(S). CP 02054			
	WELL OWNER NAME(S) DEVON ENERGY PRODUCTION COMPANY, LP			PHONE (OPTIONAL) 575-748-1838					
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive			CITY Carlsbad		STATE NM	ZIP 88220		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	32	MINUTES 44	SECONDS 8.1702	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LONGITUDE	-103	53	19.68	W			
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE G-20-18S-31E								
	LICENSE NO. 1188		NAME OF LICENSED DRILLER Scott Scarborough			NAME OF WELL DRILLING COMPANY Scarborough Drilling			
	DRILLING STARTED 2/28/25		DRILLING ENDED 2/28/25	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:								
DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:									
DEPTH (feet bgf)		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)	
FROM	TO								
None									
2. DRILLING & CASING INFORMATION	DEPTH (feet bgf)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL			AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO		n/A					
	3. ANNULAR MATERIAL	DEPTH (feet bgf)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL				AMOUNT (cubic feet)
FROM		TO	n/A						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. <u>CP-2054</u>	POD NO. <u>1</u>	TRN NO. <u>779386</u>
LOCATION <u>18S.31E. 20 232</u>	WELL TAG ID NO. <u>NA</u>	PAGE 1 OF 2

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. CP- 2054

POD NO. /

3/6/2025

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

DATE

LOCATION 185-31E-20 232

WELL TAG ID NO NA

PAGE 2 OF 2

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Date & Time: Thu, Aug 28, 2025 at 11:52:20 MDT
Position: +032 732059° / -103.882170° (Error)
Altitude: 3641ft (Error)
Datum: WGS-84
Azimuth/Bearing: 253° S73W 4498mils True (±21°)
Elevation Angle: -18.4°
Horizon Angle: +00.7°
Zoom: 0.5X
mal-12-25-ext



PHOTO 1: Southwestern view during initial site assessment activities. 8/28/2025

Date & Time: Thu, Aug 28, 2025 at 11:53:42 MDT
Position: +032.733237° / -103.882670° (±12.1ft)
Altitude: 3647ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 181° S01W 3218mils True (±11°)
Elevation Angle: -21.2°
Horizon Angle: +00.7°
Zoom: 0.5X
mal-12-25-ext



PHOTO 2: Southwestern view during initial site assessment activities. 8/28/2025

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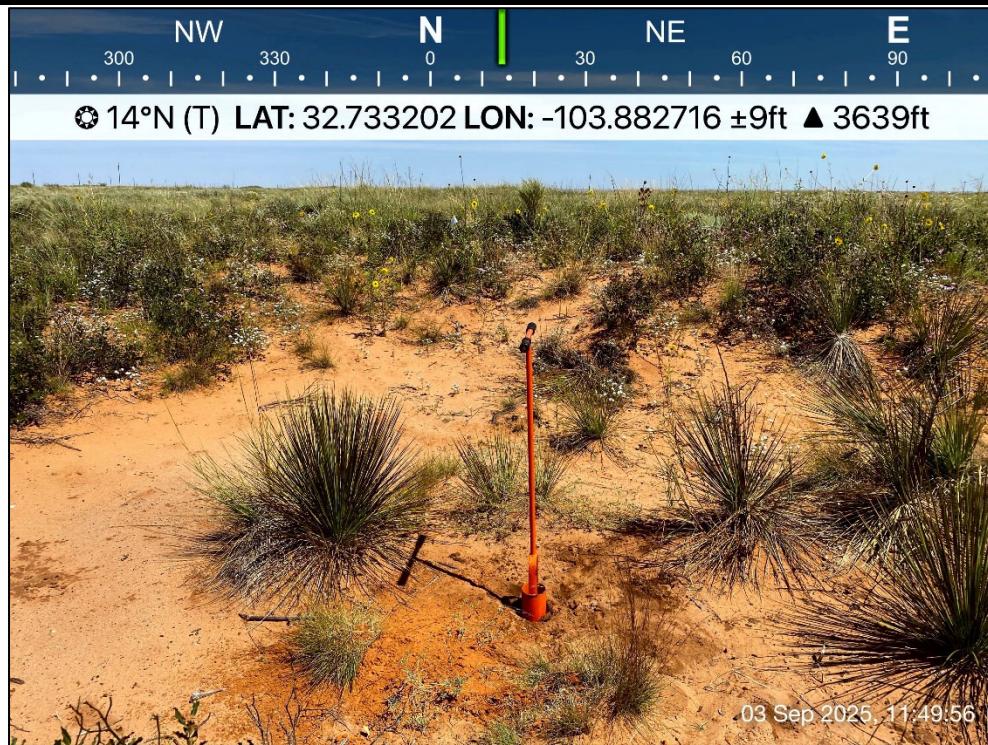


PHOTO 3: Northeastern view during delineation activities. 9/3/2025



PHOTO 4: Northwestern view during delineation activities. 9/3/2025

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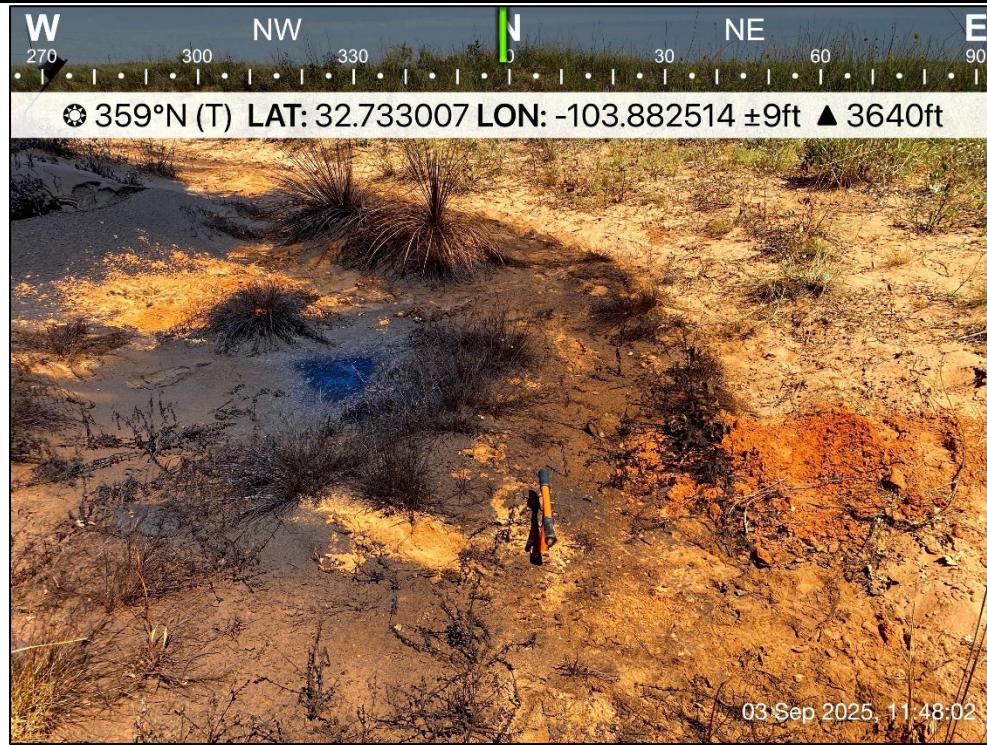


PHOTO 5: Northern view during delineation activities. 9/3/2025

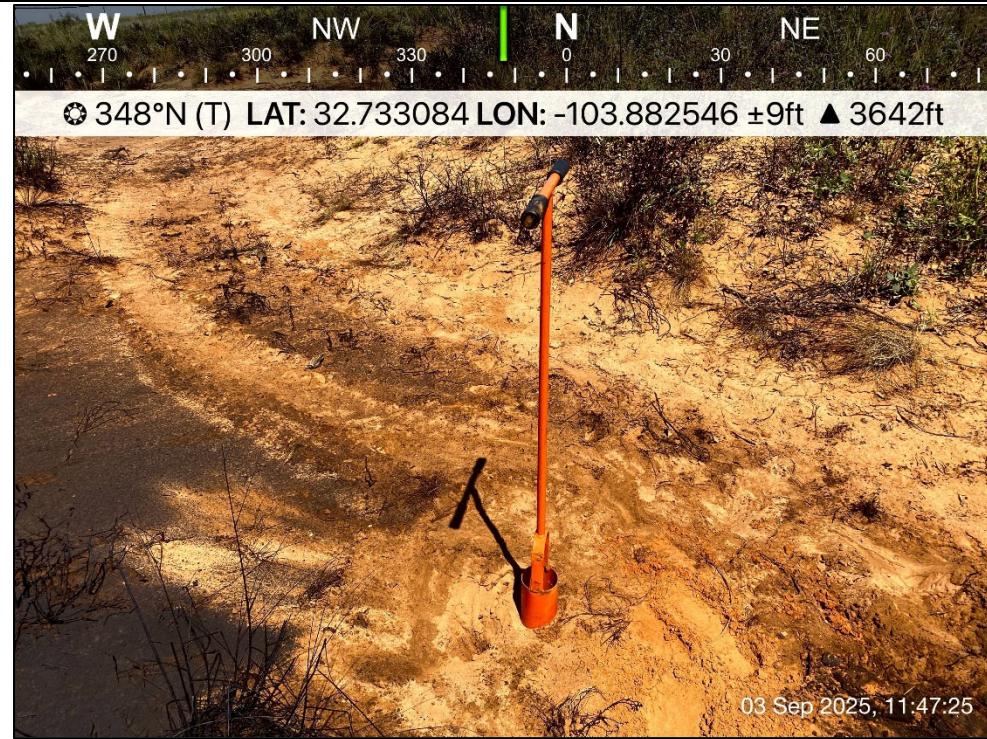


PHOTO 6: Northwestern view during delineation activities. 9/3/2025

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PHOTO 7: Southwestern view of excavation extent. 10/27/2025

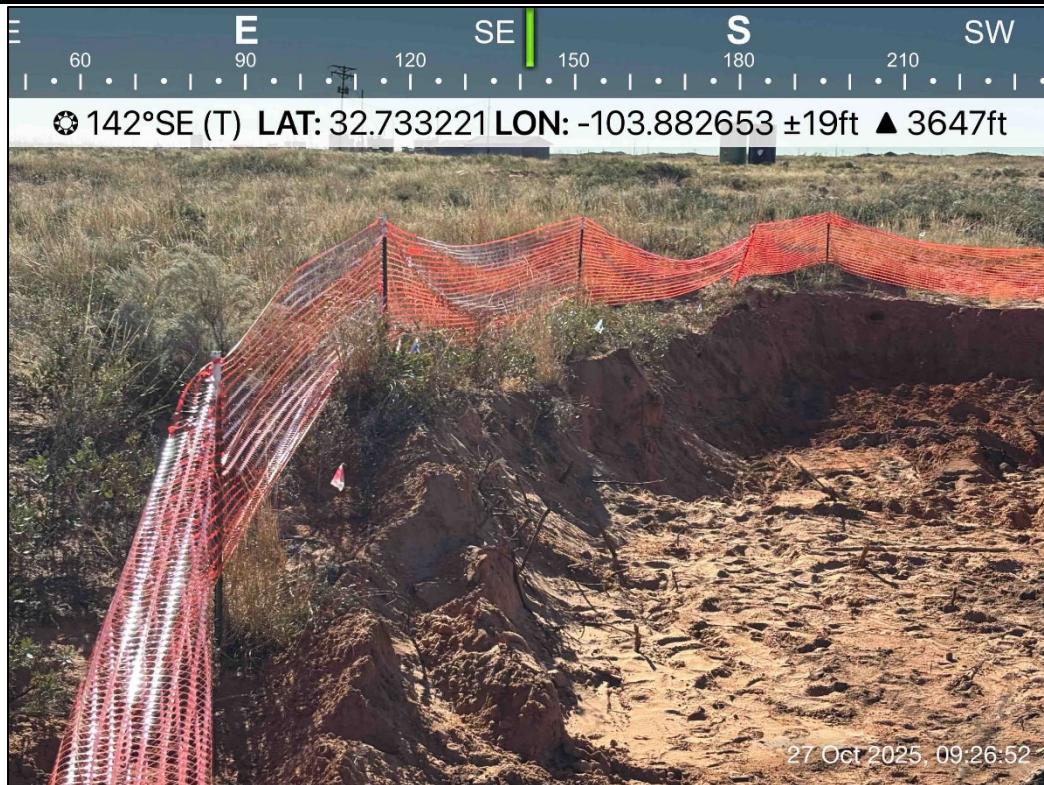


PHOTO 8: Southeastern view of excavation extent. 10/27/2025

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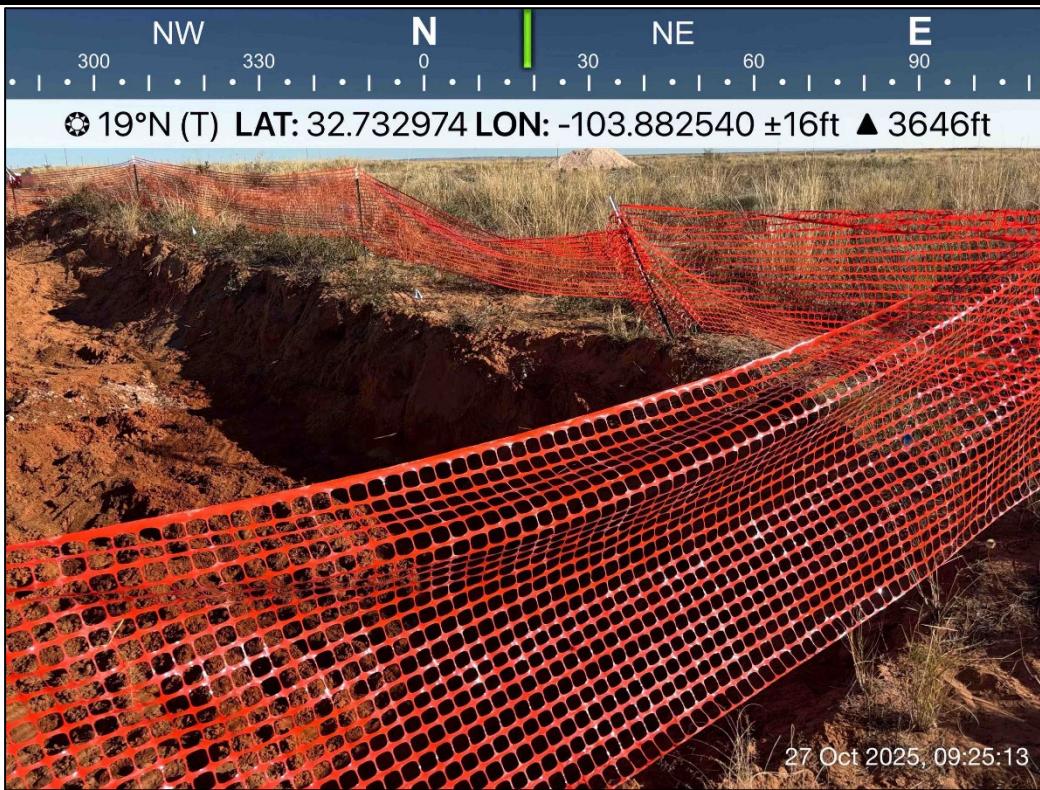


PHOTO 9: Northeastern view of excavation extent. 10/27/2025

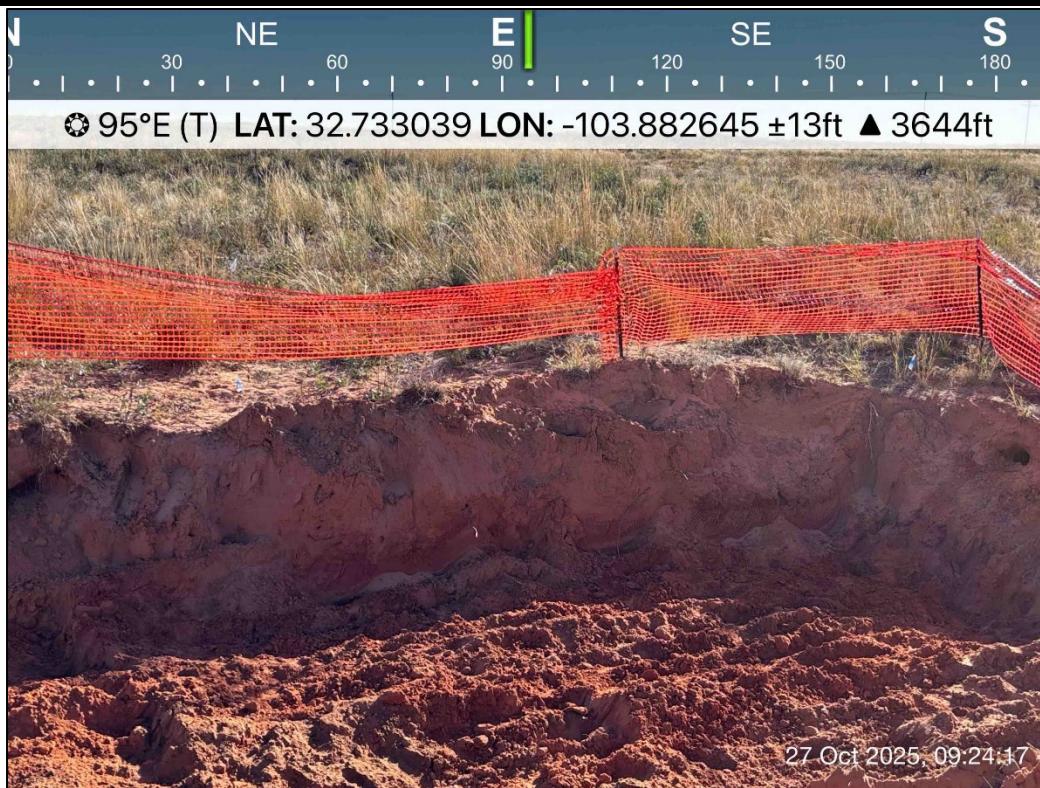


PHOTO 10: Eastern view of excavation extent. 10/27/2025

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PHOTO 11: Northwestern view following restoration activities. 11/08/2025



PHOTO 12: Northeastern view following restoration activities. 11/08/2025

 Table 1 SOIL SAMPLE ANALYTICAL RESULTS Mal-12-35 Eddy 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 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - nAPP2523946119										
HA - 1	09/03/25	0.5	0.481	88.7	<998	25,500	2,190	25,500	27,700	1,200
HA - 1	09/03/25	4	<0.00199	<0.00398	<49.7	345	<49.7	345	345	3,330
HA - 2	09/03/25	0.5	<0.00201	0.0602	<248	4,270	1,250	4,270	5,520	60.0
HA - 2	09/03/25	2	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	10.5
HA - 3	09/03/25	0.5	<0.0504	9.26	328	3,750	311	4,078	4,390	989
HA - 3 [‡]	09/03/25	2	<0.00199	<0.00398	<49.9	151	<49.9	151	151	142
HA - 4	09/03/25	0.5	0.212	2.85	<1,000	12,400	1,460	12,400	13,900	1,290
HA - 4 [‡]	09/03/25	2	<0.00201	0.00662	<50.1	376	<50.1	376	376	62.9
HA - 5	09/03/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	19.3
HA - 6	09/03/25	0.5	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	<10.1
HA - 7	09/03/25	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
HA - 8	09/03/25	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	<9.90
HA - 1A	09/03/25	0.5	<0.00200	<0.00399	<49.9	98.4	<49.9	98.4	98.4	<10.1
HA - 1A	09/03/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	<10.0
HA - 1A	09/03/25	4	<0.00201	<0.00402	<49.8	398	<49.8	398	398	<10.1
HA - 2A	09/03/25	0.5	<0.00199	<0.00398	<49.9	7,820	648	7,820	8,470	<10.0
HA - 2A	09/03/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	<10.0
HA - 2A	09/03/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	10.2
Confirmation Soil Samples - nAPP2523946119										
CS - 1	10/27/25	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
CS - 2	10/27/25	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
CS - 3	10/27/25	2	<0.0250	<0.0500	<20.0	1,860	2,300	1,860	4,160	<20.0
CS - 3	11/06/25	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
CS - 4	10/27/25	2	<0.0250	<0.0500	<20.0	6,310	4,110	6,310	10,420	<20.0
CS - 4	11/06/25	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	27.8
CS - 5	10/27/25	2	<0.0250	<0.0500	<20.0	47.6	<50.0	47.6	47.6	<20.0
CS - 6	10/27/25	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Mal-12-35
Eddy 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 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)		10	50	NE	NE	NE	NE	1,000	2,500	10,000
Confirmation Soil Samples - nAPP2523946119										
CS - 7	10/27/25	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
CS - 8	10/27/25	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
CS - 9	10/27/25	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	65.9
CS - 10	10/27/25	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
CS - 11	10/27/25	4	<0.0250	<0.0500	<20.0	44.2	<50.0	44.2	44.2	112
CS - 12	10/27/25	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
CS - 13	10/27/25	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<45.0	<95.0	307
SW - 1	10/27/25	0-2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
SW - 2	10/27/25	0-2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
SW - 3	10/27/25	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0
SW - 4	10/27/25	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<45.0	<95.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in **bold and highlighted** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard* for Soils Impacted by a Release

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

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 500452

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 500452
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2523946119
Incident Name	NAPP2523946119 MAL-12-35 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	MAL-12-35
Date Release Discovered	08/27/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,710
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/03/2025
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	32.733017, -103.882788

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 500452

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 500452
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
sorozco	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.	8/28/2025
sorozco	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.	8/28/2025

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

General Information
Phone: (505) 629-6116

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

State of New Mexico

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

QUESTIONS

Action 518954

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 518954
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2523946119
Incident Name	NAPP2523946119 MAL-12-35 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	MAL-12-35
Date Release Discovered	08/27/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,277
What is the estimated number of samples that will be gathered	22
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/27/2025
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	32.733017, -103.882788

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 518954

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 518954
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
sorozco	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/22/2025
sorozco	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/22/2025

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

General Information
Phone: (505) 629-6116

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

State of New Mexico

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

QUESTIONS

Action 522796

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 522796
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2523946119
Incident Name	NAPP2523946119 MAL-12-35 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	MAL-12-35
Date Release Discovered	08/27/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/06/2025
Time sampling will commence	12:00 PM
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	32.733017, -103.882788

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 522796

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 522796
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ijimenez	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.	11/4/2025
ijimenez	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.	11/4/2025



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/9/2025 2:18:39 PM

JOB DESCRIPTION

MAL-12-35
Eddy County, NM

JOB NUMBER

890-8749-1

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1089 N Canal St.
Carlsbad NM 88220

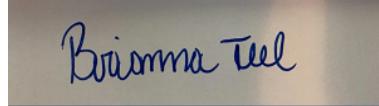
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
9/9/2025 2:18:39 PM

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

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35

Job ID: 890-8749-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation

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

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

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Case Narrative

Client: Earth Systems Response and Restoration
Project: MAL-12-35

Job ID: 890-8749-1

Job ID: 890-8749-1

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Job Narrative 890-8749-1

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

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

Receipt

The samples were received on 9/3/2025 3:46 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8749-1), HA - 1 (890-8749-2), HA - 1 (890-8749-3), HA - 2 (890-8749-4), HA - 2 (890-8749-5), HA - 2 (890-8749-6), HA - 3 (890-8749-7), HA - 3 (890-8749-8), HA - 3 (890-8749-9), HA - 4 (890-8749-10), HA - 4 (890-8749-11), HA - 4 (890-8749-12), HA - 5 (890-8749-13), HA - 6 (890-8749-14), HA - 7 (890-8749-15) and HA - 8 (890-8749-16).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-118218 and analytical batch 880-118310 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8749-1), HA - 2 (890-8749-4), HA - 2 (890-8749-5), HA - 3 (890-8749-7), HA - 4 (890-8749-10) and HA - 4 (890-8749-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-118310 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA - 4 (890-8749-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8749-1) and (LCS 880-118295/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 3 (890-8749-7) and HA - 4 (890-8749-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NMClient Sample ID: HA - 1
Date Collected: 09/03/25 09:00
Date Received: 09/03/25 15:46
Sample Depth: 0.5Lab Sample ID: 890-8749-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.481		0.200		mg/Kg		09/04/25 09:13	09/06/25 02:48	100
Toluene	13.4		0.200		mg/Kg		09/04/25 09:13	09/06/25 02:48	100
Ethylbenzene	26.8		0.200		mg/Kg		09/04/25 09:13	09/06/25 02:48	100
m-Xylene & p-Xylene	29.2		0.400		mg/Kg		09/04/25 09:13	09/06/25 02:48	100
o-Xylene	18.8		0.200		mg/Kg		09/04/25 09:13	09/06/25 02:48	100
Xylenes, Total	48.0		0.400		mg/Kg		09/04/25 09:13	09/06/25 02:48	100
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		103		70 - 130			09/04/25 09:13	09/06/25 02:48	100
1,4-Difluorobenzene (Surr)		60	S1-	70 - 130			09/04/25 09:13	09/06/25 02:48	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	88.7		0.400		mg/Kg			09/06/25 02:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27700		998		mg/Kg			09/05/25 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<998	U	998		mg/Kg		09/04/25 16:46	09/05/25 21:57	20
Diesel Range Organics (Over C10-C28)	25500		998		mg/Kg		09/04/25 16:46	09/05/25 21:57	20
Oil Range Organics (Over C28-C36)	2190		998		mg/Kg		09/04/25 16:46	09/05/25 21:57	20
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130				09/04/25 16:46	09/05/25 21:57	20
o-Terphenyl	749	S1+	70 - 130				09/04/25 16:46	09/05/25 21:57	20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		50.3		mg/Kg			09/05/25 22:45	5

Client Sample ID: HA - 1
Date Collected: 09/03/25 09:10
Date Received: 09/03/25 15:46
Sample Depth: 4Lab Sample ID: 890-8749-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 00:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 00:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 00:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/04/25 09:13	09/06/25 00:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 00:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/04/25 09:13	09/06/25 00:25	1

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Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 1
 Date Collected: 09/03/25 09:10
 Date Received: 09/03/25 15:46
 Sample Depth: 4

Lab Sample ID: 890-8749-3
 Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	09/04/25 09:13	09/06/25 00:25	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/04/25 09:13	09/06/25 00:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/06/25 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	345		49.7		mg/Kg			09/05/25 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/04/25 16:46	09/05/25 22:14	1
Diesel Range Organics (Over C10-C28)	345		49.7		mg/Kg		09/04/25 16:46	09/05/25 22:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/04/25 16:46	09/05/25 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	09/04/25 16:46	09/05/25 22:14	1
o-Terphenyl	88		70 - 130	09/04/25 16:46	09/05/25 22:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3330		49.6		mg/Kg			09/05/25 18:22	5

Client Sample ID: HA - 2**Lab Sample ID: 890-8749-4**

Date Collected: 09/03/25 09:15
 Date Received: 09/03/25 15:46
 Sample Depth: 0.5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 00:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 00:46	1
Ethylbenzene	0.00848		0.00201		mg/Kg		09/04/25 09:13	09/06/25 00:46	1
m-Xylene & p-Xylene	0.0239		0.00402		mg/Kg		09/04/25 09:13	09/06/25 00:46	1
o-Xylene	0.0278		0.00201		mg/Kg		09/04/25 09:13	09/06/25 00:46	1
Xylenes, Total	0.0517		0.00402		mg/Kg		09/04/25 09:13	09/06/25 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	384	S1+	70 - 130	09/04/25 09:13	09/06/25 00:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130	09/04/25 09:13	09/06/25 00:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0602		0.00402		mg/Kg			09/06/25 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5520		248		mg/Kg			09/05/25 22:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NMClient Sample ID: HA - 2
Date Collected: 09/03/25 09:15
Date Received: 09/03/25 15:46
Sample Depth: 0.5Lab Sample ID: 890-8749-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<248	U	248		mg/Kg		09/04/25 16:46	09/05/25 22:29	5
Diesel Range Organics (Over C10-C28)	4270		248		mg/Kg		09/04/25 16:46	09/05/25 22:29	5
Oil Range Organics (Over C28-C36)	1250		248		mg/Kg		09/04/25 16:46	09/05/25 22:29	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				09/04/25 16:46	09/05/25 22:29	5
<i>o</i> -Terphenyl	107		70 - 130				09/04/25 16:46	09/05/25 22:29	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.0		10.1		mg/Kg			09/05/25 18:28	1

Client Sample ID: HA - 2
Date Collected: 09/03/25 09:20
Date Received: 09/03/25 15:46
Sample Depth: 2Lab Sample ID: 890-8749-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 01:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 01:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 01:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/06/25 01:06	1
<i>o</i> -Xylene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 01:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/06/25 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				09/04/25 09:13	09/06/25 01:06	1
1,4-Difluorobenzene (Surr)	109		70 - 130				09/04/25 09:13	09/06/25 01:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/06/25 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/06/25 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/04/25 16:46	09/06/25 01:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/04/25 16:46	09/06/25 01:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/04/25 16:46	09/06/25 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				09/04/25 16:46	09/06/25 01:06	1
<i>o</i> -Terphenyl	83		70 - 130				09/04/25 16:46	09/06/25 01:06	1

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Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 2
 Date Collected: 09/03/25 09:20
 Date Received: 09/03/25 15:46
 Sample Depth: 2

Lab Sample ID: 890-8749-5
 Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		10.1		mg/Kg			09/05/25 18:35	1

Client Sample ID: HA - 3
 Date Collected: 09/03/25 09:30
 Date Received: 09/03/25 15:46
 Sample Depth: 0.5

Lab Sample ID: 890-8749-7
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0504	U	0.0504		mg/Kg		09/04/25 09:13	09/06/25 02:28	25
Toluene	<0.0504	U	0.0504		mg/Kg		09/04/25 09:13	09/06/25 02:28	25
Ethylbenzene	0.725		0.0504		mg/Kg		09/04/25 09:13	09/06/25 02:28	25
m-Xylene & p-Xylene	3.16		0.101		mg/Kg		09/04/25 09:13	09/06/25 02:28	25
o-Xylene	5.37		0.0504		mg/Kg		09/04/25 09:13	09/06/25 02:28	25
Xylenes, Total	8.53		0.101		mg/Kg		09/04/25 09:13	09/06/25 02:28	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130				09/04/25 09:13	09/06/25 02:28	25
1,4-Difluorobenzene (Surr)	73		70 - 130				09/04/25 09:13	09/06/25 02:28	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	9.26		0.101		mg/Kg			09/06/25 02:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4390		251		mg/Kg			09/05/25 22:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	328		251		mg/Kg		09/04/25 16:46	09/05/25 22:45	5
Diesel Range Organics (Over C10-C28)	3750		251		mg/Kg		09/04/25 16:46	09/05/25 22:45	5
Oil Range Organics (Over C28-C36)	311		251		mg/Kg		09/04/25 16:46	09/05/25 22:45	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/04/25 16:46	09/05/25 22:45	5
<i>o-Terphenyl</i>	190	S1+	70 - 130				09/04/25 16:46	09/05/25 22:45	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	989		10.1		mg/Kg			09/05/25 18:56	1

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Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 3
 Date Collected: 09/03/25 09:35
 Date Received: 09/03/25 15:46
 Sample Depth: 2

Lab Sample ID: 890-8749-8
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 01:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 01:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 01:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/04/25 09:13	09/06/25 01:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 01:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/04/25 09:13	09/06/25 01:27	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		70		70 - 130			09/04/25 09:13	09/06/25 01:27	1
1,4-Difluorobenzene (Surr)		77		70 - 130			09/04/25 09:13	09/06/25 01:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/06/25 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	151		49.9		mg/Kg			09/05/25 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/04/25 16:46	09/05/25 23:00	1
Diesel Range Organics (Over C10-C28)	151		49.9		mg/Kg		09/04/25 16:46	09/05/25 23:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/04/25 16:46	09/05/25 23:00	1
Surrogate									
1-Chlorooctane	91		70 - 130				09/04/25 16:46	09/05/25 23:00	1
<i>o</i> -Terphenyl	86		70 - 130				09/04/25 16:46	09/05/25 23:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		9.98		mg/Kg			09/05/25 19:14	1

Client Sample ID: HA - 4

Date Collected: 09/03/25 09:45
 Date Received: 09/03/25 15:46
 Sample Depth: 0.5

Lab Sample ID: 890-8749-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.212		0.0201		mg/Kg		09/09/25 08:36	09/09/25 13:47	10
Toluene	0.0713		0.0201		mg/Kg		09/09/25 08:36	09/09/25 13:47	10
Ethylbenzene	0.597		0.198		mg/Kg		09/04/25 09:13	09/06/25 03:09	100
m-Xylene & p-Xylene	0.705		0.396		mg/Kg		09/04/25 09:13	09/06/25 03:09	100
o-Xylene	1.26		0.198		mg/Kg		09/04/25 09:13	09/06/25 03:09	100
Xylenes, Total	1.97		0.396		mg/Kg		09/04/25 09:13	09/06/25 03:09	100
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		155	S1+	70 - 130			09/04/25 09:13	09/06/25 03:09	100

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Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 4
 Date Collected: 09/03/25 09:45
 Date Received: 09/03/25 15:46
 Sample Depth: 0.5

Lab Sample ID: 890-8749-10
 Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	81		70 - 130	09/04/25 09:13	09/06/25 03:09	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.85		0.396		mg/Kg			09/09/25 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13900		1000		mg/Kg			09/05/25 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<1000	U	1000		mg/Kg		09/04/25 16:46	09/05/25 23:17	20
Diesel Range Organics (Over C10-C28)	12400		1000		mg/Kg		09/04/25 16:46	09/05/25 23:17	20
Oil Range Organics (Over C28-C36)	1460		1000		mg/Kg		09/04/25 16:46	09/05/25 23:17	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				09/04/25 16:46	09/05/25 23:17	20
o-Terphenyl	444	S1+	70 - 130				09/04/25 16:46	09/05/25 23:17	20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		50.5		mg/Kg			09/05/25 19:20	5

Client Sample ID: HA - 4**Lab Sample ID: 890-8749-11**

Matrix: Solid

Date Collected: 09/03/25 09:50

Date Received: 09/03/25 15:46

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 01:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 01:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/06/25 01:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/06/25 01:47	1
o-Xylene	0.00662		0.00201		mg/Kg		09/04/25 09:13	09/06/25 01:47	1
Xylenes, Total	0.00662		0.00402		mg/Kg		09/04/25 09:13	09/06/25 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	339	S1+	70 - 130				09/04/25 09:13	09/06/25 01:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130				09/04/25 09:13	09/06/25 01:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00662		0.00402		mg/Kg			09/06/25 01:47	1

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Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 4
 Date Collected: 09/03/25 09:50
 Date Received: 09/03/25 15:46
 Sample Depth: 2

Lab Sample ID: 890-8749-11
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	376		50.1		mg/Kg			09/05/25 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/04/25 16:46	09/05/25 23:48	1
Diesel Range Organics (Over C10-C28)	376		50.1		mg/Kg		09/04/25 16:46	09/05/25 23:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/04/25 16:46	09/05/25 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				09/04/25 16:46	09/05/25 23:48	1
o-Terphenyl	84		70 - 130				09/04/25 16:46	09/05/25 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.9		10.1		mg/Kg			09/05/25 19:26	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8749-13

Matrix: Solid

Date Collected: 09/03/25 10:35

Date Received: 09/03/25 15:46

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 02:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 02:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 02:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/04/25 09:13	09/06/25 02:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/06/25 02:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/04/25 09:13	09/06/25 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				09/04/25 09:13	09/06/25 02:08	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/04/25 09:13	09/06/25 02:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/06/25 02:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/06/25 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/04/25 16:46	09/06/25 00:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/04/25 16:46	09/06/25 00:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/04/25 16:46	09/06/25 00:03	1

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Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 5
 Date Collected: 09/03/25 10:35
 Date Received: 09/03/25 15:46
 Sample Depth: 0.5

Lab Sample ID: 890-8749-13
 Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	09/04/25 16:46	09/06/25 00:03	1
o-Terphenyl	83		70 - 130	09/04/25 16:46	09/06/25 00:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.3		9.98		mg/Kg			09/05/25 19:31	1

Client Sample ID: HA - 6
 Date Collected: 09/03/25 10:40
 Date Received: 09/03/25 15:46
 Sample Depth: 0.5

Lab Sample ID: 890-8749-14
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/05/25 09:10	09/05/25 12:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/05/25 09:10	09/05/25 12:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/05/25 09:10	09/05/25 12:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/05/25 09:10	09/05/25 12:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/05/25 09:10	09/05/25 12:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/05/25 09:10	09/05/25 12:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/05/25 09:10	09/05/25 12:36	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/05/25 09:10	09/05/25 12:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/25 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/06/25 00:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/04/25 16:46	09/06/25 00:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/04/25 16:46	09/06/25 00:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/04/25 16:46	09/06/25 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	09/04/25 16:46	09/06/25 00:19	1
o-Terphenyl	76		70 - 130	09/04/25 16:46	09/06/25 00:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			09/05/25 19:49	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NMClient Sample ID: HA - 7
Date Collected: 09/03/25 10:45
Date Received: 09/03/25 15:46
Sample Depth: 0.5Lab Sample ID: 890-8749-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/05/25 09:10	09/05/25 12:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/05/25 09:10	09/05/25 12:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/05/25 09:10	09/05/25 12:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/05/25 09:10	09/05/25 12:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/05/25 09:10	09/05/25 12:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/05/25 09:10	09/05/25 12:56	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		114		70 - 130			09/05/25 09:10	09/05/25 12:56	1
1,4-Difluorobenzene (Surr)		99		70 - 130			09/05/25 09:10	09/05/25 12:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/05/25 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/06/25 00:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/04/25 16:46	09/06/25 00:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/04/25 16:46	09/06/25 00:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/04/25 16:46	09/06/25 00:35	1
Surrogate									Dil Fac
1-Chlorooctane		91	70 - 130				09/04/25 16:46	09/06/25 00:35	1
<i>o</i> -Terphenyl		82	70 - 130				09/04/25 16:46	09/06/25 00:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			09/05/25 19:55	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8749-16

Date Collected: 09/03/25 10:50

Matrix: Solid

Date Received: 09/03/25 15:46

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/05/25 09:10	09/05/25 13:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/05/25 09:10	09/05/25 13:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/05/25 09:10	09/05/25 13:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/05/25 09:10	09/05/25 13:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/05/25 09:10	09/05/25 13:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/05/25 09:10	09/05/25 13:16	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		113		70 - 130			09/05/25 09:10	09/05/25 13:16	1

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Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 8
 Date Collected: 09/03/25 10:50
 Date Received: 09/03/25 15:46
 Sample Depth: 0.5

Lab Sample ID: 890-8749-16
 Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Sur)	94		70 - 130	09/05/25 09:10	09/05/25 13:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/25 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/06/25 00:51	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	<49.6	U	49.6		mg/Kg		09/04/25 16:46	09/06/25 00:51	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/04/25 16:46	09/06/25 00:51	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/04/25 16:46	09/06/25 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	09/04/25 16:46	09/06/25 00:51	1
<i>o</i> -Terphenyl	80		70 - 130	09/04/25 16:46	09/06/25 00:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.90	U	9.90		mg/Kg			09/05/25 20:01	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-8749-1	HA - 1	103	60 S1-
890-8749-3	HA - 1	96	104
890-8749-4	HA - 2	384 S1+	108
890-8749-5	HA - 2	148 S1+	109
890-8749-7	HA - 3	195 S1+	73
890-8749-8	HA - 3	70	77
890-8749-10	HA - 4	155 S1+	81
890-8749-11	HA - 4	339 S1+	97
890-8749-13	HA - 5	115	106
890-8749-14	HA - 6	115	95
890-8749-15	HA - 7	114	99
890-8749-16	HA - 8	113	94
LCS 880-118218/1-A	Lab Control Sample	95	94
LCS 880-118315/1-A	Lab Control Sample	109	96
LCS 880-118357/1-A	Lab Control Sample	125	102
LCS 880-118492/1-A	Lab Control Sample	96	96
LCSD 880-118218/2-A	Lab Control Sample Dup	107	96
LCSD 880-118315/2-A	Lab Control Sample Dup	112	99
LCSD 880-118357/2-A	Lab Control Sample Dup	116	98
LCSD 880-118492/2-A	Lab Control Sample Dup	95	95
MB 880-118218/5-A	Method Blank	165 S1+	93
MB 880-118310/8	Method Blank	176 S1+	97
MB 880-118315/5-A	Method Blank	115	93
MB 880-118492/5-A	Method Blank	85	120

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8749-1	HA - 1	160 S1+	749 S1+
890-8749-3	HA - 1	91	88
890-8749-4	HA - 2	85	107
890-8749-5	HA - 2	94	83
890-8749-7	HA - 3	119	190 S1+
890-8749-8	HA - 3	91	86
890-8749-10	HA - 4	88	444 S1+
890-8749-11	HA - 4	88	84
890-8749-13	HA - 5	93	83
890-8749-14	HA - 6	91	76
890-8749-15	HA - 7	91	82
890-8749-16	HA - 8	92	80
LCS 880-118295/2-A	Lab Control Sample	131 S1+	136 S1+
LCSD 880-118295/3-A	Lab Control Sample Dup	121	125
MB 880-118295/1-A	Method Blank	110	106

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35

Job ID: 890-8749-1
SDG: Eddy County, NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

1

2

3

4

5

6

7

8

9

10

11

12

13

14

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-118218/5-A

Matrix: Solid

Analysis Batch: 118310

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118218

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Benzene	<0.00200	U	0.00200		mg/Kg	09/04/25 09:13	09/05/25 18:42	1			
Toluene	<0.00200	U	0.00200		mg/Kg	09/04/25 09:13	09/05/25 18:42	1			
Ethylbenzene	<0.00200	U	0.00200		mg/Kg	09/04/25 09:13	09/05/25 18:42	1			
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg	09/04/25 09:13	09/05/25 18:42	1			
o-Xylene	<0.00200	U	0.00200		mg/Kg	09/04/25 09:13	09/05/25 18:42	1			
Xylenes, Total	<0.00400	U	0.00400		mg/Kg	09/04/25 09:13	09/05/25 18:42	1			
Surrogate											
4-Bromofluorobenzene (Surr)	165	S1+			70 - 130				09/04/25 09:13	09/05/25 18:42	1
1,4-Difluorobenzene (Surr)	93				70 - 130				09/04/25 09:13	09/05/25 18:42	1

Lab Sample ID: LCS 880-118218/1-A

Matrix: Solid

Analysis Batch: 118310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118218

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec	Limits	RPD
	Result	Qualifier								
Benzene	0.100		0.08496	0.08496	0.08496	mg/Kg	85	70 - 130		
Toluene	0.100		0.08881	0.08881	0.08881	mg/Kg	89	70 - 130		
Ethylbenzene	0.100		0.07773	0.07773	0.07773	mg/Kg	78	70 - 130		
m-Xylene & p-Xylene	0.200		0.1510	0.1510	0.1510	mg/Kg	76	70 - 130		
o-Xylene	0.100		0.08471	0.08471	0.08471	mg/Kg	85	70 - 130		
Surrogate										
4-Bromofluorobenzene (Surr)	95			70 - 130						
1,4-Difluorobenzene (Surr)	94			70 - 130						

Lab Sample ID: LCSD 880-118218/2-A

Matrix: Solid

Analysis Batch: 118310

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 118218

Analyte	MB	MB	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier									
Benzene	0.100		0.08961	0.08961	0.08961	mg/Kg	90	70 - 130	5	35	
Toluene	0.100		0.09762	0.09762	0.09762	mg/Kg	98	70 - 130	9	35	
Ethylbenzene	0.100		0.09469	0.09469	0.09469	mg/Kg	95	70 - 130	20	35	
m-Xylene & p-Xylene	0.200		0.2012	0.2012	0.2012	mg/Kg	101	70 - 130	28	35	
o-Xylene	0.100		0.1076	0.1076	0.1076	mg/Kg	108	70 - 130	24	35	
Surrogate											
4-Bromofluorobenzene (Surr)	107			70 - 130							
1,4-Difluorobenzene (Surr)	96			70 - 130							

Lab Sample ID: MB 880-118310/8

Matrix: Solid

Analysis Batch: 118310

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Benzene	<0.00200	U	0.00200		mg/Kg	09/05/25 12:31	1				
Toluene	<0.00200	U	0.00200		mg/Kg	09/05/25 12:31	1				

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-118310/8

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

Matrix: Solid

Analysis Batch: 118310

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			09/05/25 12:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			09/05/25 12:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			09/05/25 12:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			09/05/25 12:31	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	176	S1+	70 - 130		09/05/25 12:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130		09/05/25 12:31	1

Lab Sample ID: MB 880-118315/5-A

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118315

Matrix: Solid

Analysis Batch: 118307

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/05/25 09:10	09/05/25 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/05/25 09:10	09/05/25 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/05/25 09:10	09/05/25 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/05/25 09:10	09/05/25 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/05/25 09:10	09/05/25 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/05/25 09:10	09/05/25 11:33	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	115		70 - 130		09/05/25 09:10	09/05/25 11:33
1,4-Difluorobenzene (Surr)	93		70 - 130		09/05/25 09:10	09/05/25 11:33

Lab Sample ID: LCS 880-118315/1-A

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118315

Matrix: Solid

Analysis Batch: 118307

Analyte	Spike	LCS		Unit	D	%Rec	Limits
		Added	Result				
Benzene		0.100	0.08001	mg/Kg		80	70 - 130
Toluene		0.100	0.08435	mg/Kg		84	70 - 130
Ethylbenzene		0.100	0.09861	mg/Kg		99	70 - 130
m-Xylene & p-Xylene		0.200	0.1975	mg/Kg		99	70 - 130
o-Xylene		0.100	0.1017	mg/Kg		102	70 - 130

Surrogate	LCS		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	109		70 - 130			
1,4-Difluorobenzene (Surr)	96		70 - 130			

Lab Sample ID: LCSD 880-118315/2-A

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 118315

Matrix: Solid

Analysis Batch: 118307

Analyte	Spike	LCSD		Unit	D	%Rec	Limits	RPD	Limit
		Added	Result						
Benzene		0.100	0.08445	mg/Kg		84	70 - 130	5	35
Toluene		0.100	0.08571	mg/Kg		86	70 - 130	2	35
Ethylbenzene		0.100	0.09953	mg/Kg		100	70 - 130	1	35

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QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-118315/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 118307

Prep Batch: 118315

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
		Result	Qualifier						
m-Xylene & p-Xylene	0.200	0.2020		mg/Kg		101	70 - 130	2	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	3	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCS 880-118357/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 118307

Prep Batch: 118357

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.08919		mg/Kg		89	70 - 130		
Toluene	0.100	0.08994		mg/Kg		90	70 - 130		
Ethylbenzene	0.100	0.1049		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	0.200	0.2114		mg/Kg		106	70 - 130		
o-Xylene	0.100	0.1093		mg/Kg		109	70 - 130		

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-118357/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 118307

Prep Batch: 118357

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.08983		mg/Kg		90	70 - 130	1	35
Toluene	0.100	0.08928		mg/Kg		89	70 - 130	1	35
Ethylbenzene	0.100	0.1027		mg/Kg		103	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2072		mg/Kg		104	70 - 130	2	35
o-Xylene	0.100	0.1091		mg/Kg		109	70 - 130	0	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-118492/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 118494

Prep Batch: 118492

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/09/25 08:36	09/09/25 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/25 08:36	09/09/25 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/25 08:36	09/09/25 11:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/09/25 08:36	09/09/25 11:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/25 08:36	09/09/25 11:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/09/25 08:36	09/09/25 11:43	1

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QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

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

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Sur)		85			70 - 130	09/09/25 08:36	09/09/25 11:43	1
1,4-Difluorobenzene (Sur)		120			70 - 130	09/09/25 08:36	09/09/25 11:43	1

Lab Sample ID: LCS 880-118492/1-A

Matrix: Solid

Analysis Batch: 118494

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118492

Analyst	Spike	LCS	LCS	%Rec				
	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09002		mg/Kg		90	70 - 130	
Toluene	0.100	0.1054		mg/Kg		105	70 - 130	
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	0.200	0.2070		mg/Kg		104	70 - 130	
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130	

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

Lab Sample ID: LCSD 880-118492/2-A

Matrix: Solid

Analysis Batch: 118494

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 118492

Analyst	Spike	LCSD	LCSD	%Rec					
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09347		mg/Kg		93	70 - 130	4	35
Toluene	0.100	0.1089		mg/Kg		109	70 - 130	3	35
Ethylbenzene	0.100	0.1114		mg/Kg		111	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2136		mg/Kg		107	70 - 130	3	35
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130	3	35

Surrogate	LCSD	LCSD	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Sur)	95		70 - 130		
1,4-Difluorobenzene (Sur)	95		70 - 130		

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

Lab Sample ID: MB 880-118295/1-A

Matrix: Solid

Analysis Batch: 118338

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118295

Analyst	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U			50.0		mg/Kg		09/04/25 16:45	09/05/25 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U			50.0		mg/Kg		09/04/25 16:45	09/05/25 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U			50.0		mg/Kg		09/04/25 16:45	09/05/25 19:36	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane		110			70 - 130	09/04/25 16:45	09/05/25 19:36	1
o-Terphenyl		106			70 - 130	09/04/25 16:45	09/05/25 19:36	1

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QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-118295/2-A

Matrix: Solid

Analysis Batch: 118338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1185		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1140		mg/Kg		114	70 - 130
Surrogate							
LCS LCS							
1-Chlorooctane	%Recovery	Qualifer	Limits				
1-Chlorooctane	131	S1+	70 - 130				
o-Terphenyl	136	S1+	70 - 130				

Lab Sample ID: LCSD 880-118295/3-A

Matrix: Solid

Analysis Batch: 118338

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 118295

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1108		mg/Kg		111	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1054		mg/Kg		105	70 - 130	8	20
Surrogate									
LCSD LCS									
1-Chlorooctane	%Recovery	Qualifer	Limits						
1-Chlorooctane	121		70 - 130						
o-Terphenyl	125		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-118286/1-A

Matrix: Solid

Analysis Batch: 118296

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U		10.0	mg/Kg			09/05/25 15:10	1

Lab Sample ID: LCS 880-118286/2-A

Matrix: Solid

Analysis Batch: 118296

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.1		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-118286/3-A

Matrix: Solid

Analysis Batch: 118296

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234.4		mg/Kg		94	90 - 110	0	20

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QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-118285/1-A

Matrix: Solid

Analysis Batch: 118299

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			09/05/25 18:39	1

Lab Sample ID: LCS 880-118285/2-A

Matrix: Solid

Analysis Batch: 118299

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	
Chloride		250	263.5		mg/Kg		105	90 - 110	

Lab Sample ID: LCSD 880-118285/3-A

Matrix: Solid

Analysis Batch: 118299

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	261.2		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-8749-7 MS

Matrix: Solid

Analysis Batch: 118299

Client Sample ID: HA - 3
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	
Chloride	989		252	1260		mg/Kg		107	90 - 110	

Lab Sample ID: 890-8749-7 MSD

Matrix: Solid

Analysis Batch: 118299

Client Sample ID: HA - 3
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	989		252	1257		mg/Kg		106	90 - 110	0	20

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 118218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-1	HA - 1	Total/NA	Solid	5035	
890-8749-3	HA - 1	Total/NA	Solid	5035	
890-8749-4	HA - 2	Total/NA	Solid	5035	
890-8749-5	HA - 2	Total/NA	Solid	5035	
890-8749-7	HA - 3	Total/NA	Solid	5035	
890-8749-8	HA - 3	Total/NA	Solid	5035	
890-8749-10	HA - 4	Total/NA	Solid	5035	
890-8749-11	HA - 4	Total/NA	Solid	5035	
890-8749-13	HA - 5	Total/NA	Solid	5035	
MB 880-118218/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-118218/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-118218/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 118307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-14	HA - 6	Total/NA	Solid	8021B	118315
890-8749-15	HA - 7	Total/NA	Solid	8021B	118315
890-8749-16	HA - 8	Total/NA	Solid	8021B	118315
MB 880-118315/5-A	Method Blank	Total/NA	Solid	8021B	118315
LCS 880-118315/1-A	Lab Control Sample	Total/NA	Solid	8021B	118315
LCS 880-118357/1-A	Lab Control Sample	Total/NA	Solid	8021B	118357
LCSD 880-118315/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	118315
LCSD 880-118357/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	118357

Analysis Batch: 118310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-1	HA - 1	Total/NA	Solid	8021B	118218
890-8749-3	HA - 1	Total/NA	Solid	8021B	118218
890-8749-4	HA - 2	Total/NA	Solid	8021B	118218
890-8749-5	HA - 2	Total/NA	Solid	8021B	118218
890-8749-7	HA - 3	Total/NA	Solid	8021B	118218
890-8749-8	HA - 3	Total/NA	Solid	8021B	118218
890-8749-10	HA - 4	Total/NA	Solid	8021B	118218
890-8749-11	HA - 4	Total/NA	Solid	8021B	118218
890-8749-13	HA - 5	Total/NA	Solid	8021B	118218
MB 880-118218/5-A	Method Blank	Total/NA	Solid	8021B	118218
MB 880-118310/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-118218/1-A	Lab Control Sample	Total/NA	Solid	8021B	118218
LCSD 880-118218/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	118218

Prep Batch: 118315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-14	HA - 6	Total/NA	Solid	5035	
890-8749-15	HA - 7	Total/NA	Solid	5035	
890-8749-16	HA - 8	Total/NA	Solid	5035	
MB 880-118315/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-118315/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-118315/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association SummaryClient: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NM**GC VOA****Prep Batch: 118357**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-118357/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-118357/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 118439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8749-3	HA - 1	Total/NA	Solid	Total BTEX	
890-8749-4	HA - 2	Total/NA	Solid	Total BTEX	
890-8749-5	HA - 2	Total/NA	Solid	Total BTEX	
890-8749-7	HA - 3	Total/NA	Solid	Total BTEX	
890-8749-8	HA - 3	Total/NA	Solid	Total BTEX	
890-8749-10	HA - 4	Total/NA	Solid	Total BTEX	
890-8749-11	HA - 4	Total/NA	Solid	Total BTEX	
890-8749-13	HA - 5	Total/NA	Solid	Total BTEX	
890-8749-14	HA - 6	Total/NA	Solid	Total BTEX	
890-8749-15	HA - 7	Total/NA	Solid	Total BTEX	
890-8749-16	HA - 8	Total/NA	Solid	Total BTEX	

Prep Batch: 118492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-10	HA - 4	Total/NA	Solid	5035	
MB 880-118492/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-118492/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-118492/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 118494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-10	HA - 4	Total/NA	Solid	8021B	118492
MB 880-118492/5-A	Method Blank	Total/NA	Solid	8021B	118492
LCS 880-118492/1-A	Lab Control Sample	Total/NA	Solid	8021B	118492
LCSD 880-118492/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	118492

GC Semi VOA**Prep Batch: 118295**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8749-3	HA - 1	Total/NA	Solid	8015NM Prep	
890-8749-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-8749-5	HA - 2	Total/NA	Solid	8015NM Prep	
890-8749-7	HA - 3	Total/NA	Solid	8015NM Prep	
890-8749-8	HA - 3	Total/NA	Solid	8015NM Prep	
890-8749-10	HA - 4	Total/NA	Solid	8015NM Prep	
890-8749-11	HA - 4	Total/NA	Solid	8015NM Prep	
890-8749-13	HA - 5	Total/NA	Solid	8015NM Prep	
890-8749-14	HA - 6	Total/NA	Solid	8015NM Prep	
890-8749-15	HA - 7	Total/NA	Solid	8015NM Prep	
890-8749-16	HA - 8	Total/NA	Solid	8015NM Prep	
MB 880-118295/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-118295/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-118295/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association SummaryClient: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NM**GC Semi VOA****Analysis Batch: 118338**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-1	HA - 1	Total/NA	Solid	8015B NM	118295
890-8749-3	HA - 1	Total/NA	Solid	8015B NM	118295
890-8749-4	HA - 2	Total/NA	Solid	8015B NM	118295
890-8749-5	HA - 2	Total/NA	Solid	8015B NM	118295
890-8749-7	HA - 3	Total/NA	Solid	8015B NM	118295
890-8749-8	HA - 3	Total/NA	Solid	8015B NM	118295
890-8749-10	HA - 4	Total/NA	Solid	8015B NM	118295
890-8749-11	HA - 4	Total/NA	Solid	8015B NM	118295
890-8749-13	HA - 5	Total/NA	Solid	8015B NM	118295
890-8749-14	HA - 6	Total/NA	Solid	8015B NM	118295
890-8749-15	HA - 7	Total/NA	Solid	8015B NM	118295
890-8749-16	HA - 8	Total/NA	Solid	8015B NM	118295
MB 880-118295/1-A	Method Blank	Total/NA	Solid	8015B NM	118295
LCS 880-118295/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	118295
LCSD 880-118295/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	118295

Analysis Batch: 118409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-1	HA - 1	Total/NA	Solid	8015 NM	118295
890-8749-3	HA - 1	Total/NA	Solid	8015 NM	118295
890-8749-4	HA - 2	Total/NA	Solid	8015 NM	118295
890-8749-5	HA - 2	Total/NA	Solid	8015 NM	118295
890-8749-7	HA - 3	Total/NA	Solid	8015 NM	118295
890-8749-8	HA - 3	Total/NA	Solid	8015 NM	118295
890-8749-10	HA - 4	Total/NA	Solid	8015 NM	118295
890-8749-11	HA - 4	Total/NA	Solid	8015 NM	118295
890-8749-13	HA - 5	Total/NA	Solid	8015 NM	118295
890-8749-14	HA - 6	Total/NA	Solid	8015 NM	118295
890-8749-15	HA - 7	Total/NA	Solid	8015 NM	118295
890-8749-16	HA - 8	Total/NA	Solid	8015 NM	118295

HPLC/IC**Leach Batch: 118285**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-7	HA - 3	Soluble	Solid	DI Leach	118285
890-8749-8	HA - 3	Soluble	Solid	DI Leach	118285
890-8749-10	HA - 4	Soluble	Solid	DI Leach	118285
890-8749-11	HA - 4	Soluble	Solid	DI Leach	118285
890-8749-13	HA - 5	Soluble	Solid	DI Leach	118285
890-8749-14	HA - 6	Soluble	Solid	DI Leach	118285
890-8749-15	HA - 7	Soluble	Solid	DI Leach	118285
890-8749-16	HA - 8	Soluble	Solid	DI Leach	118285
MB 880-118285/1-A	Method Blank	Soluble	Solid	DI Leach	118285
LCS 880-118285/2-A	Lab Control Sample	Soluble	Solid	DI Leach	118285
LCSD 880-118285/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	118285
890-8749-7 MS	HA - 3	Soluble	Solid	DI Leach	118285
890-8749-7 MSD	HA - 3	Soluble	Solid	DI Leach	118285

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QC Association SummaryClient: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8749-1
SDG: Eddy County, NM**HPLC/IC****Leach Batch: 118286**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-1	HA - 1	Soluble	Solid	DI Leach	
890-8749-3	HA - 1	Soluble	Solid	DI Leach	
890-8749-4	HA - 2	Soluble	Solid	DI Leach	
890-8749-5	HA - 2	Soluble	Solid	DI Leach	
MB 880-118286/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-118286/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-118286/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 118296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-1	HA - 1	Soluble	Solid	300.0	118286
890-8749-3	HA - 1	Soluble	Solid	300.0	118286
890-8749-4	HA - 2	Soluble	Solid	300.0	118286
890-8749-5	HA - 2	Soluble	Solid	300.0	118286
MB 880-118286/1-A	Method Blank	Soluble	Solid	300.0	118286
LCS 880-118286/2-A	Lab Control Sample	Soluble	Solid	300.0	118286
LCSD 880-118286/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	118286

Analysis Batch: 118299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8749-7	HA - 3	Soluble	Solid	300.0	118285
890-8749-8	HA - 3	Soluble	Solid	300.0	118285
890-8749-10	HA - 4	Soluble	Solid	300.0	118285
890-8749-11	HA - 4	Soluble	Solid	300.0	118285
890-8749-13	HA - 5	Soluble	Solid	300.0	118285
890-8749-14	HA - 6	Soluble	Solid	300.0	118285
890-8749-15	HA - 7	Soluble	Solid	300.0	118285
890-8749-16	HA - 8	Soluble	Solid	300.0	118285
MB 880-118285/1-A	Method Blank	Soluble	Solid	300.0	118285
LCS 880-118285/2-A	Lab Control Sample	Soluble	Solid	300.0	118285
LCSD 880-118285/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	118285
890-8749-7 MS	HA - 3	Soluble	Solid	300.0	118285
890-8749-7 MSD	HA - 3	Soluble	Solid	300.0	118285

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 1

Date Collected: 09/03/25 09:00

Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	118310	09/06/25 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/06/25 02:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/05/25 21:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	118338	09/05/25 21:57	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	118286	09/04/25 15:42	SI	EET MID
Soluble	Analysis	300.0		5			118296	09/05/25 22:45	CS	EET MID

Client Sample ID: HA - 1

Date Collected: 09/03/25 09:10

Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/06/25 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/06/25 00:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/05/25 22:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118338	09/05/25 22:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	118286	09/04/25 15:42	SI	EET MID
Soluble	Analysis	300.0		5			118296	09/05/25 18:22	CS	EET MID

Client Sample ID: HA - 2

Date Collected: 09/03/25 09:15

Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/06/25 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/06/25 00:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/05/25 22:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	118338	09/05/25 22:29	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	118286	09/04/25 15:42	SI	EET MID
Soluble	Analysis	300.0		1			118296	09/05/25 18:28	CS	EET MID

Client Sample ID: HA - 2

Date Collected: 09/03/25 09:20

Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/06/25 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/06/25 01:06	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8749-5

Date Collected: 09/03/25 09:20
 Date Received: 09/03/25 15:46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			118409	09/06/25 01:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118338	09/06/25 01:06	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	118286	09/04/25 15:42	SI	EET MID
Soluble	Analysis	300.0		1			118296	09/05/25 18:35	CS	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8749-7

Date Collected: 09/03/25 09:30
 Date Received: 09/03/25 15:46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	118310	09/06/25 02:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/06/25 02:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/05/25 22:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	118338	09/05/25 22:45	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 18:56	CS	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8749-8

Date Collected: 09/03/25 09:35
 Date Received: 09/03/25 15:46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/06/25 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/06/25 01:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/05/25 23:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118338	09/05/25 23:00	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 19:14	CS	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-8749-10

Date Collected: 09/03/25 09:45
 Date Received: 09/03/25 15:46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	118310	09/06/25 03:09	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	118492	09/09/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	118494	09/09/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/09/25 13:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/05/25 23:17	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35

Job ID: 890-8749-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Date Collected: 09/03/25 09:45
Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	118338	09/05/25 23:17	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		5			118299	09/05/25 19:20	CS	EET MID

Client Sample ID: HA - 4

Date Collected: 09/03/25 09:50
Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/06/25 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/06/25 01:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/05/25 23:48	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118338	09/05/25 23:48	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 19:26	CS	EET MID

Client Sample ID: HA - 5

Date Collected: 09/03/25 10:35
Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/06/25 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/06/25 02:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/06/25 00:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118338	09/06/25 00:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 19:31	CS	EET MID

Client Sample ID: HA - 6

Date Collected: 09/03/25 10:40
Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	118315	09/05/25 09:10	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118307	09/05/25 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/05/25 12:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/06/25 00:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118338	09/06/25 00:19	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Collected: 09/03/25 10:40
 Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 19:49	CS	EET MID

Client Sample ID: HA - 7

Date Collected: 09/03/25 10:45
 Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	118315	09/05/25 09:10	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118307	09/05/25 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/05/25 12:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/06/25 00:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118338	09/06/25 00:35	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 19:55	CS	EET MID

Client Sample ID: HA - 8

Date Collected: 09/03/25 10:50
 Date Received: 09/03/25 15:46

Lab Sample ID: 890-8749-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	118315	09/05/25 09:10	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118307	09/05/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118439	09/05/25 13:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			118409	09/06/25 00:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	118295	09/04/25 16:46	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118338	09/06/25 00:51	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 20:01	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

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

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

Eurofins Carlsbad

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35

Job ID: 890-8749-1
SDG: Eddy County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8749-1
 SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-8749-1	HA - 1	Solid	09/03/25 09:00	09/03/25 15:46	0.5	1
890-8749-3	HA - 1	Solid	09/03/25 09:10	09/03/25 15:46	4	2
890-8749-4	HA - 2	Solid	09/03/25 09:15	09/03/25 15:46	0.5	3
890-8749-5	HA - 2	Solid	09/03/25 09:20	09/03/25 15:46	2	4
890-8749-7	HA - 3	Solid	09/03/25 09:30	09/03/25 15:46	0.5	5
890-8749-8	HA - 3	Solid	09/03/25 09:35	09/03/25 15:46	2	6
890-8749-10	HA - 4	Solid	09/03/25 09:45	09/03/25 15:46	0.5	7
890-8749-11	HA - 4	Solid	09/03/25 09:50	09/03/25 15:46	2	8
890-8749-13	HA - 5	Solid	09/03/25 10:35	09/03/25 15:46	0.5	9
890-8749-14	HA - 6	Solid	09/03/25 10:40	09/03/25 15:46	0.5	10
890-8749-15	HA - 7	Solid	09/03/25 10:45	09/03/25 15:46	0.5	11
890-8749-16	HA - 8	Solid	09/03/25 10:50	09/03/25 15:46	0.5	12

Eurofins Carlsbad


Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 El Paso, TX (915) 582-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 2

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

Project Name:	MAL-12-35	Turn Around	AN
Project Number:	VP-7140	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code
Project Location:	Eddy County, NM	Due Date:	Routine
Sampler's Name:	Evan Braswell	TAT starts the day received by the lab. if received by 4:30pm	
PONO #:			

SAMPLE RECEIPT		Temp/ Blank:	Yes	No	Wet Ice:	Yes	No	Parameters	
Samples Received Intact:		Yes	No	Yes	Thermometer ID:	Transect			
Cooler Custody Seals:		Yes	No	Yes	Correction Factor:	-0.2			
Sample Custody Seals:		Yes	No	Yes	Temperature Reading:	2.7			
Total Containers:						Corrected Temperature:	2.2		



890-87-49 Chain of Custody

24 Hr Rush

Hold

24 Hr Rush

Chain of Custody Record

eurofins

Environment Testing

Client Contact

Shipping/Receiving

Company

Eurofins Environment Testing South Centr

Address

1211 W. Florida Ave.

City

Midland

State, Zip

TX, 79701

Phone

432-704-5440(Tel)

Email

N/A

Project Name

MAL - 12-35

Site

N/A

SSCW#

N/A

Due Date Requested

9/9/2025

TAT Requested (days)

N/A

Sample

N/A

Phone

N/A

E-Mail

Brianna.Teel@et.eurofinsus.com

Company

Eurofins Environment Testing South Centr

NELAP - Texas

Accreditations Required (See note)

NELAP - Texas

Job# 890-8749-1

Page# 2 of 2

Analysis Requested

Preservation Codes:

.

Sample Identification - Client ID (Lab ID)

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

Total Number of containers

Special Instructions/Note:

Sample Date

8015MOD_Calc8015 Calc

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride

.

Sample Time

8021B/5035FP_Calc(MOD) BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

.

Preservation Code:

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

.

C (C=Comp, G=Grab)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

.

S (S=Issue, A=Issue, O=Overdue)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

.

Matrix (W=water, S=soil, G=gravel, O=overdue)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

.

8015MOD_Calc8015 Calc

Total_BTEX_GCV(MOD) Total BTEX

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride

.

8021B/5035FP_Calc(MOD) BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride

.

Total_BTEX_GCV(MOD) Total BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8021B/5035FP_Calc(MOD) BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride

.

Total_BTEX_GCV(MOD) Total BTEX

8015MOD_Calc8015 Calc (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

.

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8021B/5035FP_Calc(MOD) BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride

.

Total_BTEX_GCV(MOD) Total BTEX

8015MOD_Calc8015 Calc (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

.

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8021B/5035FP_Calc(MOD) BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride

.

Total_BTEX_GCV(MOD) Total BTEX

8015MOD_Calc8015 Calc (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

.

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8021B/5035FP_Calc(MOD) BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride

.

Total_BTEX_GCV(MOD) Total BTEX

8015MOD_Calc8015 Calc (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

.

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8021B/5035FP_Calc(MOD) BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride

.

Total_BTEX_GCV(MOD) Total BTEX

8015MOD_Calc8015 Calc (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

300_ORGFM_28D/DI_LEACHChloride (Hold)

.

8015MOD_NM/8015NM_S_PrepTPH 8015

300_ORGFM_28D/DI_LEACHChloride (Hold)

8021B/5035FP_Calc(MOD) BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

8021B/5035FP_Calc(MOD) BTEX

8015MOD_Calc8015 Calc (Hold)

Total_BTEX_GCV(MOD) Total BTEX (Hold)

8015MOD_NM/8015NM_S_PrepTPH 8015 (Hold)

.

Note: Since laboratory accreditation are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analytic & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other laboratories will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Primary Deliverable Rank: 2

Date:

Time:

Method of Shipment

Received by

Company

Date/Time

Company

Received by

Company

Date/Time

Company

Custody Seal Intact:

Custody Seal No:

△ Yes

△ No

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8749-1

SDG Number: Eddy County, NM

Login Number: 8749**List Source: Eurofins Carlsbad****List Number: 1****Creator: Bruns, Shannon**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8749-1

SDG Number: Eddy County, NM

Login Number: 8749**List Source: Eurofins Midland****List Number: 2****List Creation: 09/04/25 12:24 PM****Creator: Vasquez, Julisa**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/16/2025 2:03:12 PM Revision 1

JOB DESCRIPTION

MAL-12-35
Eddy County, NM

JOB NUMBER

890-8750-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

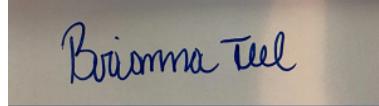
Eurofins Carlsbad

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



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

Generated
9/16/2025 2:03:12 PM
Revision 1

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35

Job ID: 890-8750-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

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

Case Narrative

Client: Earth Systems Response and Restoration
 Project: MAL-12-35

Job ID: 890-8750-1

Job ID: 890-8750-1**Eurofins Carlsbad****Job Narrative
890-8750-1**REVISION

The report being provided is a revision of the original report sent on 9/10/2025. The report (revision 1) is being revised due to Per client email to correct sample depths for samples 005 & 006.

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

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

Receipt

The samples were received on 9/3/2025 2:52 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-118218 and analytical batch 880-118310 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA - 1A (890-8750-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-118310 was outside the upper control limits.

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

Diesel Range Organics

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NMClient Sample ID: HA - 1A
Date Collected: 09/03/25 10:00
Date Received: 09/03/25 14:52
Sample Depth: 0.5Lab Sample ID: 890-8750-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:13	09/05/25 20:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:13	09/05/25 20:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:13	09/05/25 20:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/04/25 09:13	09/05/25 20:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:13	09/05/25 20:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/04/25 09:13	09/05/25 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	09/04/25 09:13	09/05/25 20:12	1
1,4-Difluorobenzene (Surr)	113		70 - 130	09/04/25 09:13	09/05/25 20:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/05/25 20:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	98.4		49.9		mg/Kg			09/09/25 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/03/25 14:14	09/09/25 16:29	1
Diesel Range Organics (Over C10-C28)	98.4		49.9		mg/Kg		09/03/25 14:14	09/09/25 16:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/03/25 14:14	09/09/25 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				09/03/25 14:14	09/09/25 16:29	1
o-Terphenyl	96		70 - 130				09/03/25 14:14	09/09/25 16:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			09/05/25 20:07	1

Client Sample ID: HA - 1A
Date Collected: 09/03/25 10:05
Date Received: 09/03/25 14:52
Sample Depth: 2Lab Sample ID: 890-8750-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 20:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 20:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 20:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/05/25 20:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 20:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/05/25 20:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				09/04/25 09:13	09/05/25 20:32	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NMClient Sample ID: HA - 1A
Date Collected: 09/03/25 10:05
Date Received: 09/03/25 14:52
Sample Depth: 2Lab Sample ID: 890-8750-2
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	116		70 - 130	09/04/25 09:13	09/05/25 20:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/25 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/09/25 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 16:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	09/03/25 14:14	09/09/25 16:44	1
o-Terphenyl	97		70 - 130	09/03/25 14:14	09/09/25 16:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			09/05/25 20:13	1

Client Sample ID: HA - 1A

Lab Sample ID: 890-8750-3

Date Collected: 09/03/25 10:10
Date Received: 09/03/25 14:52

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 20:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 20:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 20:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/05/25 20:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 20:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/05/25 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	09/04/25 09:13	09/05/25 20:53	1
1,4-Difluorobenzene (Surr)	108		70 - 130	09/04/25 09:13	09/05/25 20:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/25 20:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	398		49.8		mg/Kg			09/09/25 16:59	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NMClient Sample ID: HA - 1A
Date Collected: 09/03/25 10:10
Date Received: 09/03/25 14:52
Sample Depth: 4Lab Sample ID: 890-8750-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/03/25 14:14	09/09/25 16:59	1
Diesel Range Organics (Over C10-C28)	398		49.8		mg/Kg		09/03/25 14:14	09/09/25 16:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/03/25 14:14	09/09/25 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/03/25 14:14	09/09/25 16:59	1
o-Terphenyl	103		70 - 130				09/03/25 14:14	09/09/25 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			09/05/25 20:18	1

Client Sample ID: HA - 2A
Date Collected: 09/03/25 10:15
Date Received: 09/03/25 14:52
Sample Depth: 0.5Lab Sample ID: 890-8750-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/05/25 21:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/05/25 21:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/05/25 21:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/04/25 09:13	09/05/25 21:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/04/25 09:13	09/05/25 21:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/04/25 09:13	09/05/25 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				09/04/25 09:13	09/05/25 21:13	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/04/25 09:13	09/05/25 21:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/25 21:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8470		49.9		mg/Kg			09/09/25 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/03/25 14:14	09/09/25 17:14	1
Diesel Range Organics (Over C10-C28)	7820		49.9		mg/Kg		09/03/25 14:14	09/09/25 17:14	1
Oil Range Organics (Over C28-C36)	648		49.9		mg/Kg		09/03/25 14:14	09/09/25 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				09/03/25 14:14	09/09/25 17:14	1
o-Terphenyl	115		70 - 130				09/03/25 14:14	09/09/25 17:14	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NMClient Sample ID: HA - 2A
Date Collected: 09/03/25 10:15
Date Received: 09/03/25 14:52
Sample Depth: 0.5Lab Sample ID: 890-8750-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			09/05/25 20:36	1

Client Sample ID: HA - 2A
Date Collected: 09/03/25 10:20
Date Received: 09/03/25 14:52
Sample Depth: 2'Lab Sample ID: 890-8750-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			09/04/25 09:13	09/05/25 21:34
Toluene	<0.00200	U	0.00200		mg/Kg			09/04/25 09:13	09/05/25 21:34
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			09/04/25 09:13	09/05/25 21:34
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg			09/04/25 09:13	09/05/25 21:34
o-Xylene	<0.00200	U	0.00200		mg/Kg			09/04/25 09:13	09/05/25 21:34
Xylenes, Total	<0.00399	U	0.00399		mg/Kg			09/04/25 09:13	09/05/25 21:34
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				09/04/25 09:13	09/05/25 21:34	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/04/25 09:13	09/05/25 21:34	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			09/05/25 21:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/09/25 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg			09/03/25 14:14	09/09/25 17:29
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg			09/03/25 14:14	09/09/25 17:29
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg			09/03/25 14:14	09/09/25 17:29
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/03/25 14:14	09/09/25 17:29	1
<i>o</i> -Terphenyl	100		70 - 130				09/03/25 14:14	09/09/25 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			09/05/25 20:42	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NMClient Sample ID: HA - 2A
Date Collected: 09/03/25 10:25
Date Received: 09/03/25 14:52
Sample Depth: 4'Lab Sample ID: 890-8750-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 21:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 21:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 21:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/05/25 21:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/04/25 09:13	09/05/25 21:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/04/25 09:13	09/05/25 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	09/04/25 09:13	09/05/25 21:54	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/04/25 09:13	09/05/25 21:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/25 21:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/09/25 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 17:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 17:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/03/25 14:14	09/09/25 17:44	1
<i>o</i> -Terphenyl	104		70 - 130	09/03/25 14:14	09/09/25 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		9.98		mg/Kg			09/05/25 20:59	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8750-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB1 (70-130)	DFBZ1 (70-130)	
890-8750-1	HA - 1A	136 S1+	113	
890-8750-2	HA - 1A	130	116	
890-8750-3	HA - 1A	122	108	
890-8750-4	HA - 2A	113	111	
890-8750-5	HA - 2A	129	110	
890-8750-6	HA - 2A	123	106	
LCS 880-118218/1-A	Lab Control Sample	95	94	
LCSD 880-118218/2-A	Lab Control Sample Dup	107	96	
MB 880-118218/5-A	Method Blank	165 S1+	93	
MB 880-118310/8	Method Blank	176 S1+	97	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		1CO1 (70-130)	OTPH1 (70-130)	
890-8750-1	HA - 1A	97	96	
890-8750-2	HA - 1A	96	97	
890-8750-3	HA - 1A	99	103	
890-8750-4	HA - 2A	86	115	
890-8750-5	HA - 2A	99	100	
890-8750-6	HA - 2A	104	104	
LCS 880-118177/2-A	Lab Control Sample	89	103	
LCSD 880-118177/3-A	Lab Control Sample Dup	106	99	
MB 880-118177/1-A	Method Blank	94	95	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-118218/5-A

Matrix: Solid

Analysis Batch: 118310

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118218

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier					Prepared	Analyzed	
Benzene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:13	09/05/25 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:13	09/05/25 18:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:13	09/05/25 18:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/04/25 09:13	09/05/25 18:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:13	09/05/25 18:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/04/25 09:13	09/05/25 18:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	09/04/25 09:13	09/05/25 18:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/04/25 09:13	09/05/25 18:42	1

Lab Sample ID: LCS 880-118218/1-A

Matrix: Solid

Analysis Batch: 118310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118218

Analyte	MB	MB	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	RPD
	Result	Qualifier						Prepared	Analyzed	
Benzene			0.100	0.08496		mg/Kg		85	70 - 130	
Toluene			0.100	0.08881		mg/Kg		89	70 - 130	
Ethylbenzene			0.100	0.07773		mg/Kg		78	70 - 130	
m-Xylene & p-Xylene			0.200	0.1510		mg/Kg		76	70 - 130	
o-Xylene			0.100	0.08471		mg/Kg		85	70 - 130	

Surrogate	MB	MB	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	RPD
	%Recovery	Qualifier						Prepared	Analyzed	
4-Bromofluorobenzene (Surr)	95			70 - 130						
1,4-Difluorobenzene (Surr)	94			70 - 130						

Lab Sample ID: LCSD 880-118218/2-A

Matrix: Solid

Analysis Batch: 118310

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 118218

Analyte	MB	MB	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD
	Result	Qualifier						Prepared	Analyzed	
Benzene			0.100	0.08961		mg/Kg		90	70 - 130	5
Toluene			0.100	0.09762		mg/Kg		98	70 - 130	9
Ethylbenzene			0.100	0.09469		mg/Kg		95	70 - 130	20
m-Xylene & p-Xylene			0.200	0.2012		mg/Kg		101	70 - 130	28
o-Xylene			0.100	0.1076		mg/Kg		108	70 - 130	24

Surrogate	MB	MB	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD
	%Recovery	Qualifier						Prepared	Analyzed	
4-Bromofluorobenzene (Surr)	107			70 - 130						
1,4-Difluorobenzene (Surr)	96			70 - 130						

Lab Sample ID: MB 880-118310/8

Matrix: Solid

Analysis Batch: 118310

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD
	Result	Qualifier						Prepared	Analyzed	
Benzene			0.100	0.08961		mg/Kg		90	70 - 130	5
Toluene			0.100	0.09762		mg/Kg		98	70 - 130	9

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-118310/8

Matrix: Solid

Analysis Batch: 118310

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			09/05/25 12:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			09/05/25 12:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			09/05/25 12:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			09/05/25 12:31	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	176	S1+	70 - 130		09/05/25 12:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130		09/05/25 12:31	1

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

Lab Sample ID: MB 880-118177/1-A

Matrix: Solid

Analysis Batch: 118543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118177

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 09:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 09:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/03/25 14:14	09/09/25 09:31	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	94		70 - 130	09/03/25 14:14	09/09/25 09:31	1
o-Terphenyl	95		70 - 130	09/03/25 14:14	09/09/25 09:31	1

Lab Sample ID: LCS 880-118177/2-A

Matrix: Solid

Analysis Batch: 118543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1050		mg/Kg		105	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130	

Surrogate	%Recovery	LCS Qualifier	Limits	%Rec		
				Limit	Limit	Limit
1-Chlorooctane	89		70 - 130			
o-Terphenyl	103		70 - 130			

Lab Sample ID: LCSD 880-118177/3-A

Matrix: Solid

Analysis Batch: 118543

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 118177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	1016		mg/Kg		102	70 - 130	3
Diesel Range Organics (Over C10-C28)	1000	952.9		mg/Kg		95	70 - 130	10

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QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8750-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-118177/3-A
 Matrix: Solid
 Analysis Batch: 118543

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 118177

Surrogate	LCSD	LCSD	
	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
<i>o</i> -Terphenyl	99		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-118285/1-A
 Matrix: Solid
 Analysis Batch: 118299

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				mg/Kg				
Chloride	<10.0	U		10.0					09/05/25 18:39	1

Lab Sample ID: LCS 880-118285/2-A
 Matrix: Solid
 Analysis Batch: 118299

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike	LCS	LCS		%Rec	
	Added	Result	Qualifier	Unit	D	Limits
Chloride	250	263.5		mg/Kg	105	90 - 110

Lab Sample ID: LCSD 880-118285/3-A
 Matrix: Solid
 Analysis Batch: 118299

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike	LCSD	LCSD		%Rec		RPD	
	Added	Result	Qualifier	Unit	D	%Rec	RPD	Limit
Chloride	250	261.2		mg/Kg	104	90 - 110	1	20

Lab Sample ID: 890-8750-3 MS
 Matrix: Solid
 Analysis Batch: 118299

Client Sample ID: HA - 1A
 Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS		%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	Limits
Chloride	<10.1	U	252	256.1		mg/Kg	99	90 - 110

Lab Sample ID: 890-8750-3 MSD
 Matrix: Solid
 Analysis Batch: 118299

Client Sample ID: HA - 1A
 Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD		%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	RPD
Chloride	<10.1	U	252	257.4		mg/Kg	99	90 - 110

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QC Association SummaryClient: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NM**GC VOA****Prep Batch: 118218**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-1	HA - 1A	Total/NA	Solid	5035	
890-8750-2	HA - 1A	Total/NA	Solid	5035	
890-8750-3	HA - 1A	Total/NA	Solid	5035	
890-8750-4	HA - 2A	Total/NA	Solid	5035	
890-8750-5	HA - 2A	Total/NA	Solid	5035	
890-8750-6	HA - 2A	Total/NA	Solid	5035	
MB 880-118218/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-118218/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-118218/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 118310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-1	HA - 1A	Total/NA	Solid	8021B	118218
890-8750-2	HA - 1A	Total/NA	Solid	8021B	118218
890-8750-3	HA - 1A	Total/NA	Solid	8021B	118218
890-8750-4	HA - 2A	Total/NA	Solid	8021B	118218
890-8750-5	HA - 2A	Total/NA	Solid	8021B	118218
890-8750-6	HA - 2A	Total/NA	Solid	8021B	118218
MB 880-118218/5-A	Method Blank	Total/NA	Solid	8021B	118218
MB 880-118310/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-118218/1-A	Lab Control Sample	Total/NA	Solid	8021B	118218
LCSD 880-118218/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	118218

Analysis Batch: 118454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-1	HA - 1A	Total/NA	Solid	Total BTEX	
890-8750-2	HA - 1A	Total/NA	Solid	Total BTEX	
890-8750-3	HA - 1A	Total/NA	Solid	Total BTEX	
890-8750-4	HA - 2A	Total/NA	Solid	Total BTEX	
890-8750-5	HA - 2A	Total/NA	Solid	Total BTEX	
890-8750-6	HA - 2A	Total/NA	Solid	Total BTEX	

GC Semi VOA**Prep Batch: 118177**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-1	HA - 1A	Total/NA	Solid	8015NM Prep	
890-8750-2	HA - 1A	Total/NA	Solid	8015NM Prep	
890-8750-3	HA - 1A	Total/NA	Solid	8015NM Prep	
890-8750-4	HA - 2A	Total/NA	Solid	8015NM Prep	
890-8750-5	HA - 2A	Total/NA	Solid	8015NM Prep	
890-8750-6	HA - 2A	Total/NA	Solid	8015NM Prep	
MB 880-118177/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-118177/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-118177/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 118543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-1	HA - 1A	Total/NA	Solid	8015B NM	118177
890-8750-2	HA - 1A	Total/NA	Solid	8015B NM	118177
890-8750-3	HA - 1A	Total/NA	Solid	8015B NM	118177

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QC Association SummaryClient: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NM**GC Semi VOA (Continued)****Analysis Batch: 118543 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-4	HA - 2A	Total/NA	Solid	8015B NM	118177
890-8750-5	HA - 2A	Total/NA	Solid	8015B NM	118177
890-8750-6	HA - 2A	Total/NA	Solid	8015B NM	118177
MB 880-118177/1-A	Method Blank	Total/NA	Solid	8015B NM	118177
LCS 880-118177/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	118177
LCSD 880-118177/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	118177

Analysis Batch: 118609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-1	HA - 1A	Total/NA	Solid	8015 NM	9
890-8750-2	HA - 1A	Total/NA	Solid	8015 NM	10
890-8750-3	HA - 1A	Total/NA	Solid	8015 NM	11
890-8750-4	HA - 2A	Total/NA	Solid	8015 NM	12
890-8750-5	HA - 2A	Total/NA	Solid	8015 NM	13
890-8750-6	HA - 2A	Total/NA	Solid	8015 NM	14

HPLC/IC**Leach Batch: 118285**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-1	HA - 1A	Soluble	Solid	DI Leach	
890-8750-2	HA - 1A	Soluble	Solid	DI Leach	
890-8750-3	HA - 1A	Soluble	Solid	DI Leach	
890-8750-4	HA - 2A	Soluble	Solid	DI Leach	
890-8750-5	HA - 2A	Soluble	Solid	DI Leach	
890-8750-6	HA - 2A	Soluble	Solid	DI Leach	
MB 880-118285/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-118285/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-118285/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8750-3 MS	HA - 1A	Soluble	Solid	DI Leach	
890-8750-3 MSD	HA - 1A	Soluble	Solid	DI Leach	

Analysis Batch: 118299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8750-1	HA - 1A	Soluble	Solid	300.0	118285
890-8750-2	HA - 1A	Soluble	Solid	300.0	118285
890-8750-3	HA - 1A	Soluble	Solid	300.0	118285
890-8750-4	HA - 2A	Soluble	Solid	300.0	118285
890-8750-5	HA - 2A	Soluble	Solid	300.0	118285
890-8750-6	HA - 2A	Soluble	Solid	300.0	118285
MB 880-118285/1-A	Method Blank	Soluble	Solid	300.0	118285
LCS 880-118285/2-A	Lab Control Sample	Soluble	Solid	300.0	118285
LCSD 880-118285/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	118285
890-8750-3 MS	HA - 1A	Soluble	Solid	300.0	118285
890-8750-3 MSD	HA - 1A	Soluble	Solid	300.0	118285

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: MAL-12-35Job ID: 890-8750-1
SDG: Eddy County, NM**Client Sample ID: HA - 1A**
Date Collected: 09/03/25 10:00
Date Received: 09/03/25 14:52**Lab Sample ID: 890-8750-1**
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/05/25 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118454	09/05/25 20:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			118609	09/09/25 16:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	118177	09/03/25 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118543	09/09/25 16:29	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 20:07	CS	EET MID

Client Sample ID: HA - 1A
Date Collected: 09/03/25 10:05
Date Received: 09/03/25 14:52**Lab Sample ID: 890-8750-2**
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/05/25 20:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118454	09/05/25 20:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			118609	09/09/25 16:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	118177	09/03/25 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118543	09/09/25 16:44	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 20:13	CS	EET MID

Client Sample ID: HA - 1A
Date Collected: 09/03/25 10:10
Date Received: 09/03/25 14:52**Lab Sample ID: 890-8750-3**
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/05/25 20:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118454	09/05/25 20:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			118609	09/09/25 16:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	118177	09/03/25 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118543	09/09/25 16:59	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 20:18	CS	EET MID

Client Sample ID: HA - 2A
Date Collected: 09/03/25 10:15
Date Received: 09/03/25 14:52**Lab Sample ID: 890-8750-4**
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/05/25 21:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118454	09/05/25 21:13	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8750-1
 SDG: Eddy County, NM

Client Sample ID: HA - 2A
Date Collected: 09/03/25 10:15
Date Received: 09/03/25 14:52

Lab Sample ID: 890-8750-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			118609	09/09/25 17:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	118177	09/03/25 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118543	09/09/25 17:14	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 20:36	CS	EET MID

Client Sample ID: HA - 2A
Date Collected: 09/03/25 10:20
Date Received: 09/03/25 14:52

Lab Sample ID: 890-8750-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/05/25 21:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118454	09/05/25 21:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			118609	09/09/25 17:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	118177	09/03/25 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118543	09/09/25 17:29	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 20:42	CS	EET MID

Client Sample ID: HA - 2A
Date Collected: 09/03/25 10:25
Date Received: 09/03/25 14:52

Lab Sample ID: 890-8750-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	118218	09/04/25 09:13	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118310	09/05/25 21:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118454	09/05/25 21:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			118609	09/09/25 17:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	118177	09/03/25 14:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118543	09/09/25 17:44	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	118285	09/04/25 15:40	SI	EET MID
Soluble	Analysis	300.0		1			118299	09/05/25 20:59	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8750-1
 SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

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

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



Eurofins Carlsbad

Method Summary

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8750-1
 SDG: Eddy County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: Earth Systems Response and Restoration
 Project/Site: MAL-12-35

Job ID: 890-8750-1
 SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8750-1	HA - 1A	Solid	09/03/25 10:00	09/03/25 14:52	0.5
890-8750-2	HA - 1A	Solid	09/03/25 10:05	09/03/25 14:52	2
890-8750-3	HA - 1A	Solid	09/03/25 10:10	09/03/25 14:52	4
890-8750-4	HA - 2A	Solid	09/03/25 10:15	09/03/25 14:52	0.5
890-8750-5	HA - 2A	Solid	09/03/25 10:20	09/03/25 14:52	2'
890-8750-6	HA - 2A	Solid	09/03/25 10:25	09/03/25 14:52	4'

1

2

3

4

5

6

7

8

9

10

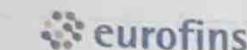
11

12

13

14

Eurofins Carlsbad



Environment Testing
Xenco

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

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

Work Order No: _____

www.xenco.com Page 1 of 1

Work Order Comments

Program: UST/PST PRP Brownfields RRC Superfund

State of Project:

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

Deliverables: EDD ADaPT Other: _____

Project Name:	MAL-12-35		Turn Around		 890-8750 Chain of Custody	Preservative Codes None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC													
Project Number:	VP- 7140		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush															
Project Location:	Eddy County, NM		Due Date:	Routine															
Sampler's Name:	Evan Braswell		TAT starts the day received by the lab, if received by 4:30pm																
PO/WO #:																			
SAMPLE RECEIPT	Temp Blank:	<input checked="" type="checkbox"/> Yes, No	Wet Ice:	<input checked="" type="checkbox"/> Yes, No															
Samples Received Intact:	<input checked="" type="checkbox"/> Yes, No	Thermometer ID:		TMM007															
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes, No <input type="checkbox"/> N/A	Correction Factor:		0.8															
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes, No <input type="checkbox"/> N/A	Temperature Reading:		24															
Total Containers:			Corrected Temperature:		2.0														
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI	Hold	24 hr Rush	Sample Comments	
HA-1A		S	9.3.25	10:00	0.5	Grab/	1	X	X	X									Incident Number
HA-1A		S	9.3.25	10:05	2	Grab/	1	X	X	X									nAPP2523946119
HA-1A		S	9.3.25	10:10	4	Grab/	1	X	X	X									
HA-2A		S	9.3.25	10:15	0.5	Grab/	1	X	X	X									
HA-2A		S	9.3.25	10:20	2	Grab/	1	X	X	X									
HA-2A		S	9.3.25	10:25	4	Grab/	1	X	X	X									

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

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 \$60.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Eurofins</i>	<i>Bunn</i>	9/3 14:52			
0		1			
1		2			
2		3			
3		4			
4		5			
5		6			

Revised Date: 08/25/2020 Rev. 2020.2

9/10/2025

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Eurofins Carlsbad

1089 N Canal St.

Carlsbad,

NM

88220

Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins
 Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier/Tracking No(s): N/A	COC No: 890-5826-1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Tee@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Central	Address: 1211 W. Florida Ave.	Accreditations Required (See note): NELAP - Texas	Job #: 890-8750-1	Preservation Codes:
City: Midland	State, Zip: TX, 79701	Due Date Requested: 9/9/2025	TAT Requested (days): N/A	Preservation Codes:

Analysis Requested									
Perform MS/MSD (Yes or No)									
8015MOD_NM/8015NM_S_PrepTPH 8015									
8015MOD_Calc8015 Calc									
300_ORGFM_28D/DI LEACHChloride									
8021B/5035FP_Calc(MOD) BTEX									
Total_BTEX_GCV(MOD) Total BTEX									
Total Number of containers									
Other: N/A									
Special Instructions/Notes:									

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=organic, A=air)	Preservation Code:	Method of Shipment:	Received by:	Date/Time:	Company
HA - 1A (890-8750-1)	9/3/25	10:00	G	Solid	X X X X X				
HA - 1A (890-8750-2)		10:05	Mountain	G	Solid	X X X X X			
HA - 1A (890-8750-3)	9/3/25	10:10	Mountain	G	Solid	X X X X X			
HA - 2A (890-8750-4)	9/3/25	10:15	Mountain	G	Solid	X X X X X			
HA - 2A (890-8750-5)	9/3/25	10:20	Mountain	G	Solid	X X X X X			
HA - 2A (890-8750-6)	9/3/25	10:25	Mountain	G	Solid	X X X X X			

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analysis & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test(s) being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Deliverable Requested: I, II, III, IV, Other (specify)

Primary Deliverable Rank: 2

Unconfirmed

 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client
 Disposal By Lab
 Archive For _____ Months

Empty Kit Relinquished by: <i>R. Sorenson</i>	Date: <i>09/03/2025</i>	Time: <i>16:30</i>	Method of Shipment:	Received by: <i>✓</i>	Date/Time: <i>09/04/25 08:00</i>	Company: <i>✓</i>
Relinquished by: <i>✓</i>	Date/Time: <i>09/04/25 08:00</i>	Company: <i>✓</i>	Received by: <i>✓</i>	Date/Time: <i>09/04/25 08:00</i>	Company: <i>✓</i>	
Relinquished by: <i>✓</i>	Date/Time: <i>09/04/25 08:00</i>	Company: <i>✓</i>	Received by: <i>✓</i>	Date/Time: <i>09/04/25 08:00</i>	Company: <i>✓</i>	
Custody Seals Intact: <i>✓</i>	Custody Seal No.: <i>401311</i>			Cooler Temperature(s) °C and Other Remarks: <i>4.0 / 3.1 - TIR</i>		

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8750-1
SDG Number: Eddy County, NM**Login Number: 8750****List Source: Eurofins Carlsbad****List Number: 1****Creator: Bruns, Shannon**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8750-1
SDG Number: Eddy County, NM**Login Number: 8750****List Source: Eurofins Midland**
List Creation: 09/04/25 12:24 PM**List Number: 2****Creator: Vasquez, Julisa**

Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	N/A		1
Sample custody seals, if present, are intact.	N/A		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the containers received and the COC.	True		11
Samples are received within Holding Time (excluding tests with immediate HTs)	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
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		

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Earth Systems

Project Name: MAL-12 7140

Work Order: E510334

Job Number: 24064-0001

Received: 10/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/3/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/3/25



Gilbert Moreno
1910 Resource Ct
Carlsbad, NM 88220

Project Name: MAL-12 7140
Workorder: E510334
Date Received: 10/28/2025 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/28/2025 8:00:00AM, under the Project Name: MAL-12 7140.

The analytical test results summarized in this report with the Project Name: MAL-12 7140 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

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Lynn Jarboe
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ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/03/25 09:18
---	--	--------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1 2'	E510334-01A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-2 2'	E510334-02A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-3 2'	E510334-03A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-4 2'	E510334-04A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-5 2'	E510334-05A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-6 2'	E510334-06A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
---	--	-------------------------------

CS-1 2'

E510334-01

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2544047
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
Surrogate: 4-Bromochlorobenzene-PID	98.2 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2544047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.0 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2544103
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/25	10/30/25	
Surrogate: n-Nonane	108 %	61-141		10/29/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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CS-2 2'

E510334-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.0 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544103
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/25	10/30/25	
Surrogate: n-Nonane	109 %	61-141		10/29/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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CS-3 2'

E510334-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
Surrogate: 4-Bromochlorobenzene-PID	99.7 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.9 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544103
Diesel Range Organics (C10-C28)	1860	250	10	10/29/25	10/30/25	
Oil Range Organics (C28-C36)	2300	500	10	10/29/25	10/30/25	
Surrogate: n-Nonane	122 %	61-141		10/29/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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CS-4 2'

E510334-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Benzene	ND	0.0250	1	10/28/25	10/31/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/31/25	
Toluene	ND	0.0250	1	10/28/25	10/31/25	
o-Xylene	ND	0.0250	1	10/28/25	10/31/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/31/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/31/25	
Surrogate: 4-Bromochlorobenzene-PID	94.4 %	70-130		10/28/25	10/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/31/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.5 %	70-130		10/28/25	10/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544103
Diesel Range Organics (C10-C28)	6310	250	10	10/29/25	10/30/25	
Oil Range Organics (C28-C36)	4110	500	10	10/29/25	10/30/25	
Surrogate: n-Nonane	136 %	61-141		10/29/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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CS-5 2'

E510334-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Benzene	ND	0.0250	1	10/28/25	10/31/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/31/25	
Toluene	ND	0.0250	1	10/28/25	10/31/25	
o-Xylene	ND	0.0250	1	10/28/25	10/31/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/31/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>102 %</i>	<i>70-130</i>		<i>10/28/25</i>	<i>10/31/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>86.8 %</i>	<i>70-130</i>		<i>10/28/25</i>	<i>10/31/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544103
Diesel Range Organics (C10-C28)	47.6	25.0	1	10/29/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/25	10/30/25	
<i>Surrogate: n-Nonane</i>	<i>112 %</i>	<i>61-141</i>		<i>10/29/25</i>	<i>10/30/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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CS-6 2'

E510334-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Benzene	ND	0.0250	1	10/28/25	10/31/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/31/25	
Toluene	ND	0.0250	1	10/28/25	10/31/25	
o-Xylene	ND	0.0250	1	10/28/25	10/31/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/31/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>102 %</i>	<i>70-130</i>		<i>10/28/25</i>	<i>10/31/25</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544047
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>86.7 %</i>	<i>70-130</i>		<i>10/28/25</i>	<i>10/31/25</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544103
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/25	10/30/25	
<i>Surrogate: n-Nonane</i>	<i>116 %</i>	<i>61-141</i>		<i>10/29/25</i>	<i>10/30/25</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544047-BLK1)

Prepared: 10/28/25 Analyzed: 10/30/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID

8.23 8.00 103 70-130

LCS (2544047-BS1)

Prepared: 10/28/25 Analyzed: 10/30/25

Benzene	5.34	0.0250	5.00	107	70-130				
Ethylbenzene	5.17	0.0250	5.00	103	70-130				
Toluene	5.26	0.0250	5.00	105	70-130				
o-Xylene	5.19	0.0250	5.00	104	70-130				
p,m-Xylene	10.5	0.0500	10.0	105	70-130				
Total Xylenes	15.7	0.0250	15.0	105	70-130				

Surrogate: 4-Bromochlorobenzene-PID

8.44 8.00 105 70-130

Matrix Spike (2544047-MS1)

Source: E510331-02

Prepared: 10/28/25 Analyzed: 10/30/25

Benzene	5.96	0.0250	5.00	ND	119	70-130			
Ethylbenzene	5.73	0.0250	5.00	ND	115	70-130			
Toluene	5.86	0.0250	5.00	ND	117	70-130			
o-Xylene	5.75	0.0250	5.00	ND	115	70-130			
p,m-Xylene	11.6	0.0500	10.0	ND	116	70-130			
Total Xylenes	17.4	0.0250	15.0	ND	116	70-130			

Surrogate: 4-Bromochlorobenzene-PID

8.28 8.00 104 70-130

Matrix Spike Dup (2544047-MSD1)

Source: E510331-02

Prepared: 10/28/25 Analyzed: 10/30/25

Benzene	5.70	0.0250	5.00	ND	114	70-130	4.43	27	
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	4.60	26	
Toluene	5.59	0.0250	5.00	ND	112	70-130	4.70	20	
o-Xylene	5.47	0.0250	5.00	ND	109	70-130	4.96	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	4.47	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	4.63	26	

Surrogate: 4-Bromochlorobenzene-PID

8.02 8.00 100 70-130

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2544047-BLK1)

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		8.00		86.4	70-130		

LCS (2544047-BS2)

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00	87.9	70-130			

Matrix Spike (2544047-MS2)

Source: E510331-02

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	60.1	20.0	50.0	ND	120	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130		

Matrix Spike Dup (2544047-MSD2)

Source: E510331-02

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	59.4	20.0	50.0	ND	119	70-130	1.17	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		8.00		88.0	70-130		

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2544103-BLK1)

Prepared: 10/29/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	ND	25.0						
Oil Range Organics (C28-C36)	ND	50.0						
Surrogate: n-Nonane	58.9		50.0		118	61-141		

LCS (2544103-BS1)

Prepared: 10/29/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144		
Surrogate: n-Nonane	51.7		50.0		103	61-141		

Matrix Spike (2544103-MS1)

Source: E510332-04

Prepared: 10/29/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156		
Surrogate: n-Nonane	54.1		50.0		108	61-141		

Matrix Spike Dup (2544103-MSD1)

Source: E510332-04

Prepared: 10/29/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156	0.919	20
Surrogate: n-Nonane	55.1		50.0		110	61-141		

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:18:17AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544130-BLK1)

Prepared: 10/30/25 Analyzed: 10/30/25

Chloride	ND	20.0
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LCS (2544130-BS1)

Prepared: 10/30/25 Analyzed: 10/30/25

Chloride	251	20.0	250	100	90-110
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Matrix Spike (2544130-MS1)

Source: E510334-02 Prepared: 10/30/25 Analyzed: 10/30/25

Chloride	252	20.0	250	ND	101	80-120
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Matrix Spike Dup (2544130-MSD1)

Source: E510334-02 Prepared: 10/30/25 Analyzed: 10/30/25

Chloride	252	20.0	250	ND	101	80-120	0.253	20
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/03/25 09:18
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client Information				Invoice Information				Lab Use Only				TAT				State								
Client: Earth Systems R & R Project Name: MAL-12 7140 Project Manager: Gilbert Moreno Address: 1910 Resource Ct City, State, Zip: Carlsbad, NM 88220 Phone: 832-541-7719 Email: gmoreno@earthsyst.net				Company: Earth Systems R & R Address: 1910 Resource Ct City, State, Zip: Carlsbad, NM 88220 Phone: 832-541-7719 Email: gmoreno@earthsyst.net Work for: Kinetik Midstream				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX					
								E510334		24104-001				X		X								
Analysis and Method																EPA Program								
																SDWA		CWA		RCRA				
																Compliance		Y or N						
																PWSID #								
																Remarks								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Field Filter	Lab Number	DRC/ORO by 8015	Depth (ft)	BTX by 8221	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	Rush-24 HR TAT					
8:20	10/27/2025	S	1	CS - 1					1		2			X						1.9	Incident #:			
8:25	10/27/2025	S	1	CS - 2					2		2			X						1.2	nAPP2523946119			
8:30	10/27/2025	S	1	CS - 3					3		2			X						3.9				
8:35	10/27/2025	S	1	CS - 4					4		2			X						4.4				
8:40	10/27/2025	S	1	CS - 5					5		2			X						3.9				
8:45	10/27/2025	S	1	CS - 6					6		2			X						3.4				
Additional Instructions:																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																								
Sampled by: SG																								
Relinquished by: (Signature)		Date 10-27-25	Time 1430	Received by: (Signature)		Michelle Gonzales		Date 10-27-25	Time 1430					Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Michelle Gonzales		10-27-25	1440	Received by: (Signature)		Marissa Gonzales		10-27-25	1440					Lab Use Only										
Relinquished by: (Signature)		Date 10-27-25	Time 1900	Received by: (Signature)		Marissa Gonzales		Date 10-27-25	Time 1900					Received on ice: Y N										
Marissa Gonzales		10-27-25	1900	Received by: (Signature)		Camden Brigg		10-27-25	1900					T1 T2 T3										
Relinquished by: (Signature)		Date 10-27-25	Time 2300	Received by: (Signature)		Camden Brigg		Date 10-28-25	Time 800					AVG Temp °C										
Camden Brigg		10-27-25	2300	Received by: (Signature)		Camden Brigg		10-28-25	800															
Sample Matrix: S - Soil, Sd - Solid/Sludge, A - Aqueous, O - Other																Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								



envirotech

Envirotech Analytical Laboratory

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Earth Systems	Date Received:	10/28/25 08:00	Work Order ID:	E510334
Phone:	832-541-7719	Date Logged In:	10/27/25 17:07	Logged In By:	Caitlin Mars
Email:	gmoreno@earthsys.net	Due Date:	11/03/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC Yes
 3. Were samples dropped off by client or carrier? Yes Carrier: Courier
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
 Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
 8. If yes, was cooler received in good condition? Yes
 9. Was the sample(s) received intact, i.e., not broken? Yes
 10. Were custody/security seals present? No
 11. If yes, were custody/security seals intact? NA
 12. Was the sample received on ice? Yes
 Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
 15. Are VOC samples collected in VOA Vials? NA
 16. Is the head space less than 6-8 mm (pea sized or less)? NA
 17. Was a trip blank (TB) included for VOC analyses? NA
 18. Are non-VOC samples collected in the correct containers? Yes
 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 Sample ID? Yes
 Date/Time Collected? Yes
 Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
 22. Are sample(s) correctly preserved? NA
 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.	Date
---	------

Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



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Practical Solutions for a Better Tomorrow

Analytical Report

Earth Systems

Project Name: MAL-12 7140

Work Order: E510335

Job Number: 24064-0001

Received: 10/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/3/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/3/25

Gilbert Moreno
1910 Resource Ct
Carlsbad, NM 88220



Project Name: MAL-12 7140
Workorder: E510335
Date Received: 10/28/2025 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/28/2025 8:00:00AM, under the Project Name: MAL-12 7140.

The analytical test results summarized in this report with the Project Name: MAL-12 7140 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/03/25 09:19
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-7 4'	E510335-01A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-8 4'	E510335-02A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-9 4'	E510335-03A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-10 4'	E510335-04A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-11 4'	E510335-05A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-12 4'	E510335-06A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
CS-13 4'	E510335-07A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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CS-7 4'

E510335-01

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL			Batch: 2544049
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
Surrogate: Bromofluorobenzene	107 %	70-130		10/28/25	10/30/25	
Surrogate: 1,2-Dichloroethane-d4	89.1 %	70-130		10/28/25	10/30/25	
Surrogate: Toluene-d8	96.0 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2544049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
Surrogate: Bromofluorobenzene	107 %	70-130		10/28/25	10/30/25	
Surrogate: 1,2-Dichloroethane-d4	89.1 %	70-130		10/28/25	10/30/25	
Surrogate: Toluene-d8	96.0 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2544110
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
Surrogate: n-Nonane	89.9 %	61-141		10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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CS-8 4'

E510335-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	106 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	91.0 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	96.9 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	106 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	91.0 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	96.9 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2544110
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>	100 %	61-141		10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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CS-9 4'

E510335-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	106 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	89.8 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	97.7 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	106 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	89.8 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	97.7 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2544110
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>	103 %	61-141		10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	65.9	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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CS-10 4'

E510335-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	106 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	88.2 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	96.8 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	106 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	88.2 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	96.8 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2544110
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>	91.6 %	61-141		10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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CS-11 4'

E510335-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	105 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	89.6 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	96.4 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	105 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	89.6 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	96.4 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2544110
Diesel Range Organics (C10-C28)	44.2	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>	96.0 %	61-141		10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	112	20.0	1	10/30/25	10/31/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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CS-12 4'

E510335-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	105 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	89.5 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	97.1 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	105 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	89.5 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	97.1 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2544110
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>	91.5 %	61-141		10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	ND	20.0	1	10/30/25	10/31/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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CS-13 4'

E510335-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Benzene	ND	0.0250	1	10/28/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/30/25	
Toluene	ND	0.0250	1	10/28/25	10/30/25	
o-Xylene	ND	0.0250	1	10/28/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	107 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	87.5 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	97.3 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2544049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/30/25	
<i>Surrogate: Bromofluorobenzene</i>	107 %	70-130		10/28/25	10/30/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	87.5 %	70-130		10/28/25	10/30/25	
<i>Surrogate: Toluene-d8</i>	97.3 %	70-130		10/28/25	10/30/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2544110
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/25	10/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/25	10/30/25	
<i>Surrogate: n-Nonane</i>	96.5 %	61-141		10/30/25	10/30/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544130
Chloride	307	20.0	1	10/30/25	10/31/25	

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544049-BLK1)

Prepared: 10/28/25 Analyzed: 10/30/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
<i>Surrogate: Bromofluorobenzene</i>	0.523		0.500		105	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.462		0.500		92.3	70-130			
<i>Surrogate: Toluene-d8</i>	0.488		0.500		97.5	70-130			

LCS (2544049-BS1)

Prepared: 10/28/25 Analyzed: 10/30/25

Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.50	0.0250	2.50		99.9	70-130			
Toluene	2.45	0.0250	2.50		97.8	70-130			
o-Xylene	2.49	0.0250	2.50		99.6	70-130			
p,m-Xylene	5.10	0.0500	5.00		102	70-130			
Total Xylenes	7.59	0.0250	7.50		101	70-130			
<i>Surrogate: Bromofluorobenzene</i>	0.518		0.500		104	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.469		0.500		93.8	70-130			
<i>Surrogate: Toluene-d8</i>	0.489		0.500		97.8	70-130			

Matrix Spike (2544049-MS1)

Source: E510335-03

Prepared: 10/28/25 Analyzed: 10/30/25

Benzene	2.44	0.0250	2.50	ND	97.6	48-131			
Ethylbenzene	2.37	0.0250	2.50	ND	94.8	45-135			
Toluene	2.31	0.0250	2.50	ND	92.2	48-130			
o-Xylene	2.41	0.0250	2.50	ND	96.3	43-135			
p,m-Xylene	4.98	0.0500	5.00	ND	99.5	43-135			
Total Xylenes	7.38	0.0250	7.50	ND	98.4	43-135			
<i>Surrogate: Bromofluorobenzene</i>	0.527		0.500		105	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.465		0.500		93.0	70-130			
<i>Surrogate: Toluene-d8</i>	0.475		0.500		95.0	70-130			

Matrix Spike Dup (2544049-MSD1)

Source: E510335-03

Prepared: 10/28/25 Analyzed: 10/30/25

Benzene	2.53	0.0250	2.50	ND	101	48-131	3.76	23	
Ethylbenzene	2.47	0.0250	2.50	ND	98.8	45-135	4.13	27	
Toluene	2.40	0.0250	2.50	ND	96.2	48-130	4.20	24	
o-Xylene	2.51	0.0250	2.50	ND	100	43-135	4.07	27	
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135	4.26	27	
Total Xylenes	7.70	0.0250	7.50	ND	103	43-135	4.20	27	
<i>Surrogate: Bromofluorobenzene</i>	0.526		0.500		105	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.468		0.500		93.6	70-130			
<i>Surrogate: Toluene-d8</i>	0.477		0.500		95.3	70-130			

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2544049-BLK1)

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.3	70-130		
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130		

LCS (2544049-BS2)

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	96.8	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.431		0.500	86.2	70-130			
Surrogate: Toluene-d8	0.486		0.500	97.1	70-130			

Matrix Spike (2544049-MS2)

Source: E510335-03

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130		
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130		
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130		

Matrix Spike Dup (2544049-MSD2)

Source: E510335-03

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130	8.16	20
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.1	70-130		
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130		

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2544110-BLK1)

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	ND	25.0						
Oil Range Organics (C28-C36)	ND	50.0						
Surrogate: n-Nonane	43.9		50.0		87.8	61-141		

LCS (2544110-BS1)

Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144		
Surrogate: n-Nonane	45.5		50.0		90.9	61-141		

Matrix Spike (2544110-MS1)

Source: E510335-01 Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	291	25.0	250	ND	117	56-156		
Surrogate: n-Nonane	50.0		50.0		100	61-141		

Matrix Spike Dup (2544110-MSD1)

Source: E510335-01 Prepared: 10/30/25 Analyzed: 10/30/25

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156	9.22	20
Surrogate: n-Nonane	45.4		50.0		90.9	61-141		

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/3/2025 9:19:57AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544130-BLK1)

Prepared: 10/30/25 Analyzed: 10/30/25

Chloride	ND	20.0
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LCS (2544130-BS1)

Prepared: 10/30/25 Analyzed: 10/30/25

Chloride	251	20.0	250	100	90-110
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Matrix Spike (2544130-MS1)

Source: E510334-02 Prepared: 10/30/25 Analyzed: 10/30/25

Chloride	252	20.0	250	ND	101	80-120
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Matrix Spike Dup (2544130-MSD1)

Source: E510334-02 Prepared: 10/30/25 Analyzed: 10/30/25

Chloride	252	20.0	250	ND	101	80-120	0.253	20
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/03/25 09:19
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

Client Information				Invoice Information				Lab Use Only			TAT			State						
Client: Earth Systems R & R Project Name: MAL-12 7140 Project Manager: Gilbert Moreno Address: 1910 Resource Ct City, State, Zip: Carlsbad, NM 88220 Phone: 832-541-7719 Email: gmoreno@earthsys.net Work for: Kinetik Midstream				Company: Earth Systems R & R Address: 1910 Resource Ct City, State, Zip: Carlsbad, NM 88220 Phone: 832-541-7719 Email: gmoreno@earthsys.net Work for: Kinetik Midstream				Lab WO# E510335	Job Number 24064.0001	1D	2D	3D	Std	NM X	CO	UT	TX			
Analysis and Method												EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Field	Lab Number	DR/DO by 8015	Depth (ft)	BTEx by 8021	Chloride 300.0	13CQ-1005-LX	Cr600C - NM	RCRA 8 Metrics	Compliance	SDWA	CWA	RCRA
8:50	10/27/2025	S	1	CS - 7					1		4			X		Busby-241H TA1	Y	or	N	
8:55	10/27/2025	S	1	CS - 8					2		4			X			1.0	nAPP2523946119		
9:00	10/27/2025	S	1	CS - 9					3		4			X			5.8			
9:05	10/27/2025	S	1	CS - 10					4		4			X			4.3			
9:10	10/27/2025	S	1	CS - 11					5		4			X			3.0			
9:15	10/27/2025	S	1	CS - 12					6		4			X			5.0			
9:20	10/27/2025	S	1	CS - 13					7		4			X			3.5			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: SG																				
Relinquished by: (Signature)	Date 10-27-25	Time 1430	Received by: (Signature) Michelle Gonzales	Date 10-27-25	Time 1430	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days				Lab Use Only										
Michelle Gonzales	10-27-25	1440	Marissa Gonzales	10-27-25	1440															
Marissa Gonzales	10-27-25	1900	Camden Briggs	10-27-25	1900															
Camden Briggs	10-27-25	2300	Cliff Main	10-28-25	800															
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				AVG Temp °C																



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Envirotech Analytical Laboratory

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Earth Systems	Date Received: 10/28/25 08:00	Work Order ID: E510335
Phone: 832-541-7719	Date Logged In: 10/27/25 17:09	Logged In By: Caitlin Mars
Email: gmoreno@earthsys.net	Due Date: 11/03/25 17:00 (4 day TAT)	

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC Yes
3. Were samples dropped off by client or carrier? Yes Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.	Date
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Report to:

Gilbert Moreno



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Practical Solutions for a Better Tomorrow

Analytical Report

Earth Systems

Project Name: MAL-12 7140

Work Order: E510325

Job Number: 24064-0001

Received: 10/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/31/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.



Date Reported: 10/31/25

Gilbert Moreno
1910 Resource Ct
Carlsbad, NM 88220



Project Name: MAL-12 7140
Workorder: E510325
Date Received: 10/28/2025 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/28/2025 8:00:00AM, under the Project Name: MAL-12 7140.

The analytical test results summarized in this report with the Project Name: MAL-12 7140 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/25 12:15
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1 0-2	E510325-01A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
SW-2 0-2	E510325-02A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:15:05PM
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SW-1 0-2

E510325-01

Analyte	Result	Limit	Dilution	Prepared	Reporting	Notes
					Analyst: BA	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2544046
Benzene	ND	0.0250	1	10/28/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/29/25	
Toluene	ND	0.0250	1	10/28/25	10/29/25	
o-Xylene	ND	0.0250	1	10/28/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	91.3 %	70-130		10/28/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2544046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.5 %	70-130		10/28/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2544048
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/28/25	
<i>Surrogate: n-Nonane</i>	91.9 %	61-141		10/28/25	10/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2544084
Chloride	ND	20.0	1	10/29/25	10/29/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:15:05PM
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SW-2 0-2

E510325-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2544046
Benzene	ND	0.0250	1	10/28/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/29/25	
Toluene	ND	0.0250	1	10/28/25	10/29/25	
o-Xylene	ND	0.0250	1	10/28/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/29/25	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	10/28/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2544046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	10/28/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544048
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/28/25	
Surrogate: n-Nonane		88.5 %	61-141	10/28/25	10/28/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544084
Chloride	ND	20.0	1	10/29/25	10/29/25	

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:15:05PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2544046-BLK1)

Prepared: 10/28/25 Analyzed: 10/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID

7.38 8.00 92.2 70-130

LCS (2544046-BS1)

Prepared: 10/28/25 Analyzed: 10/29/25

Benzene	5.66	0.0250	5.00	113	70-130				
Ethylbenzene	5.35	0.0250	5.00	107	70-130				
Toluene	5.56	0.0250	5.00	111	70-130				
o-Xylene	5.48	0.0250	5.00	110	70-130				
p,m-Xylene	10.9	0.0500	10.0	109	70-130				
Total Xylenes	16.4	0.0250	15.0	109	70-130				

Surrogate: 4-Bromochlorobenzene-PID

7.47 8.00 93.4 70-130

Matrix Spike (2544046-MS1)

Source: E510325-01

Prepared: 10/28/25 Analyzed: 10/29/25

Benzene	4.61	0.0250	5.00	ND	92.3	70-130			
Ethylbenzene	4.38	0.0250	5.00	ND	87.5	70-130			
Toluene	4.53	0.0250	5.00	ND	90.6	70-130			
o-Xylene	4.45	0.0250	5.00	ND	89.0	70-130			
p,m-Xylene	8.93	0.0500	10.0	ND	89.3	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.2	70-130			

Surrogate: 4-Bromochlorobenzene-PID

7.34 8.00 91.8 70-130

Matrix Spike Dup (2544046-MSD1)

Source: E510325-01

Prepared: 10/28/25 Analyzed: 10/29/25

Benzene	5.60	0.0250	5.00	ND	112	70-130	19.3	27	
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130	19.1	26	
Toluene	5.50	0.0250	5.00	ND	110	70-130	19.3	20	
o-Xylene	5.40	0.0250	5.00	ND	108	70-130	19.3	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	18.8	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	18.9	26	

Surrogate: 4-Bromochlorobenzene-PID

7.39 8.00 92.3 70-130

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:15:05PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD	RPD Limit	Notes
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Blank (2544046-BLK1)

Prepared: 10/28/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	70-130		

LCS (2544046-BS2)

Prepared: 10/28/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	86.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00	89.4	70-130			

Matrix Spike (2544046-MS2)

Source: E510325-01

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130		

Matrix Spike Dup (2544046-MSD2)

Source: E510325-01

Prepared: 10/28/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	1.62	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	70-130		

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:15:05PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2544048-BLK1)

Prepared: 10/28/25 Analyzed: 10/28/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

LCS (2544048-BS1)

Prepared: 10/28/25 Analyzed: 10/28/25

Diesel Range Organics (C10-C28)	244	25.0	250		97.7	66-144			
Surrogate: n-Nonane	47.5		50.0		95.1	61-141			

Matrix Spike (2544048-MS1)

Source: E510324-02

Prepared: 10/28/25 Analyzed: 10/28/25

Diesel Range Organics (C10-C28)	1530	25.0	250	1650	NR	56-156			M4
Surrogate: n-Nonane	297		50.0		595	61-141			S5

Matrix Spike Dup (2544048-MSD1)

Source: E510324-02

Prepared: 10/28/25 Analyzed: 10/28/25

Diesel Range Organics (C10-C28)	1440	25.0	250	1650	NR	56-156	5.98	20	M4
Surrogate: n-Nonane	269		50.0		538	61-141			S5

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:15:05PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544084-BLK1)

Prepared: 10/29/25 Analyzed: 10/29/25

Chloride	ND	20.0
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LCS (2544084-BS1)

Prepared: 10/29/25 Analyzed: 10/29/25

Chloride	253	20.0	250	101	90-110
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Matrix Spike (2544084-MS1)

Source: E510340-01 Prepared: 10/29/25 Analyzed: 10/29/25

Chloride	592	20.0	250	330	105	80-120
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Matrix Spike Dup (2544084-MSD1)

Source: E510340-01 Prepared: 10/29/25 Analyzed: 10/29/25

Chloride	587	20.0	250	330	103	80-120	0.878	20
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/25 12:15
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody



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Envirotech Analytical Laboratory

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Earth Systems	Date Received: 10/28/25 08:00	Work Order ID: E510325
Phone: 832-541-7719	Date Logged In: 10/27/25 16:33	Logged In By: Caitlin Mars
Email: gmoreno@earthsys.net	Due Date: 11/03/25 17:00 (4 day TAT)	

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.	Date
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Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Earth Systems

Project Name: MAL-12 7140

Work Order: E510326

Job Number: 26064-0001

Received: 10/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/31/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.



Date Reported: 10/31/25

Gilbert Moreno
1910 Resource Ct
Carlsbad, NM 88220



Project Name: MAL-12 7140
Workorder: E510326
Date Received: 10/28/2025 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/28/2025 8:00:00AM, under the Project Name: MAL-12 7140.

The analytical test results summarized in this report with the Project Name: MAL-12 7140 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Sample Summary

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 26064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/25 12:18
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-3 0-4	E510326-01A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.
SW-4 0-4	E510326-02A	Soil	10/27/25	10/28/25	Glass Jar, 2 oz.

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 26064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:18:52PM
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SW-3 0-4

E510326-01

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2544046
Benzene	ND	0.0250	1	10/28/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/29/25	
Toluene	ND	0.0250	1	10/28/25	10/29/25	
o-Xylene	ND	0.0250	1	10/28/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/29/25	
Surrogate: 4-Bromochlorobenzene-PID	95.8 %	70-130		10/28/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2544046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.5 %	70-130		10/28/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2544083
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/25	10/29/25	
Surrogate: n-Nonane	102 %	61-141		10/29/25	10/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2544096
Chloride	ND	20.0	1	10/29/25	10/30/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 26064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:18:52PM
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SW-4 0-4

E510326-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2544046
Benzene	ND	0.0250	1	10/28/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/28/25	10/29/25	
Toluene	ND	0.0250	1	10/28/25	10/29/25	
o-Xylene	ND	0.0250	1	10/28/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/28/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/28/25	10/29/25	
Surrogate: 4-Bromochlorobenzene-PID		90.3 %	70-130	10/28/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2544046
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/28/25	10/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	10/28/25	10/29/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2544083
Diesel Range Organics (C10-C28)	ND	25.0	1	10/29/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/29/25	10/29/25	
Surrogate: n-Nonane		99.8 %	61-141	10/29/25	10/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2544096
Chloride	ND	20.0	1	10/29/25	10/30/25	

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 26064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:18:52PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2544046-BLK1)

Prepared: 10/28/25 Analyzed: 10/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID

7.38 8.00 92.2 70-130

LCS (2544046-BS1)

Prepared: 10/28/25 Analyzed: 10/29/25

Benzene	5.66	0.0250	5.00	113	70-130				
Ethylbenzene	5.35	0.0250	5.00	107	70-130				
Toluene	5.56	0.0250	5.00	111	70-130				
o-Xylene	5.48	0.0250	5.00	110	70-130				
p,m-Xylene	10.9	0.0500	10.0	109	70-130				
Total Xylenes	16.4	0.0250	15.0	109	70-130				

Surrogate: 4-Bromochlorobenzene-PID

7.47 8.00 93.4 70-130

Matrix Spike (2544046-MS1)

Source: E510325-01

Prepared: 10/28/25 Analyzed: 10/29/25

Benzene	4.61	0.0250	5.00	ND	92.3	70-130			
Ethylbenzene	4.38	0.0250	5.00	ND	87.5	70-130			
Toluene	4.53	0.0250	5.00	ND	90.6	70-130			
o-Xylene	4.45	0.0250	5.00	ND	89.0	70-130			
p,m-Xylene	8.93	0.0500	10.0	ND	89.3	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.2	70-130			

Surrogate: 4-Bromochlorobenzene-PID

7.34 8.00 91.8 70-130

Matrix Spike Dup (2544046-MSD1)

Source: E510325-01

Prepared: 10/28/25 Analyzed: 10/29/25

Benzene	5.60	0.0250	5.00	ND	112	70-130	19.3	27	
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130	19.1	26	
Toluene	5.50	0.0250	5.00	ND	110	70-130	19.3	20	
o-Xylene	5.40	0.0250	5.00	ND	108	70-130	19.3	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	18.8	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	18.9	26	

Surrogate: 4-Bromochlorobenzene-PID

7.39 8.00 92.3 70-130

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 26064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:18:52PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD	RPD Limit	Notes
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Blank (2544046-BLK1)

Prepared: 10/28/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	70-130		

LCS (2544046-BS2)

Prepared: 10/28/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	86.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00	89.4	70-130			

Matrix Spike (2544046-MS2)

Source: E510325-01

Prepared: 10/28/25 Analyzed: 10/30/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130		

Matrix Spike Dup (2544046-MSD2)

Source: E510325-01

Prepared: 10/28/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	1.62	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	70-130		

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 26064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:18:52PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2544083-BLK1)

Prepared: 10/29/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	ND	25.0						
Oil Range Organics (C28-C36)	ND	50.0						
Surrogate: n-Nonane	57.4		50.0		115	61-141		

LCS (2544083-BS1)

Prepared: 10/29/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	259	25.0	250		104	66-144		
Surrogate: n-Nonane	50.2		50.0		100	61-141		

Matrix Spike (2544083-MS1)

Source: E510319-41

Prepared: 10/29/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	56-156		
Surrogate: n-Nonane	51.3		50.0		103	61-141		

Matrix Spike Dup (2544083-MSD1)

Source: E510319-41

Prepared: 10/29/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	0.0480	20
Surrogate: n-Nonane	53.0		50.0		106	61-141		

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 26064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/2025 12:18:52PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544096-BLK1)

Prepared: 10/29/25 Analyzed: 10/29/25

Chloride	ND	20.0
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LCS (2544096-BS1)

Prepared: 10/29/25 Analyzed: 10/30/25

Chloride	250	20.0	250	99.9	90-110
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Matrix Spike (2544096-MS1)

Source: E510317-47 Prepared: 10/29/25 Analyzed: 10/30/25

Chloride	299	20.0	250	40.5	103	80-120
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Matrix Spike Dup (2544096-MSD1)

Source: E510317-47 Prepared: 10/29/25 Analyzed: 10/30/25

Chloride	299	20.0	250	40.5	103	80-120	0.0900	20
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12 7140 Project Number: 26064-0001 Project Manager: Gilbert Moreno	Reported: 10/31/25 12:18
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



envirotech

Envirotech Analytical Laboratory

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Earth Systems	Date Received: 10/28/25 08:00	Work Order ID: E510326
Phone: 832-541-7719	Date Logged In: 10/27/25 16:37	Logged In By: Caitlin Mars
Email: gmoreno@earthsys.net	Due Date: 11/03/25 17:00 (4 day TAT)	

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC Yes
3. Were samples dropped off by client or carrier? Yes Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.	Date
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Report to:

Gilbert Moreno



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Earth Systems

Project Name: MAL-12-35 (7140)

Work Order: E511049

Job Number: 24064-0001

Received: 11/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/13/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/13/25

Gilbert Moreno
1910 Resource Ct
Carlsbad, NM 88220



Project Name: MAL-12-35 (7140)
Workorder: E511049
Date Received: 11/7/2025 8:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2025 8:00:00AM, under the Project Name: MAL-12-35 (7140).

The analytical test results summarized in this report with the Project Name: MAL-12-35 (7140) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Sample Summary

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12-35 (7140) Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/13/25 15:30
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-3 3'	E511049-01A	Soil	11/06/25	11/07/25	Glass Jar, 2 oz.
CS-4 3'	E511049-02A	Soil	11/06/25	11/07/25	Glass Jar, 2 oz.

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12-35 (7140) Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/13/2025 3:30:15PM
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CS-3 3'

E511049-01

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID	120 %	70-130		11/07/25	11/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.5 %	70-130		11/07/25	11/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2545149
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/25	11/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/11/25	
Surrogate: n-Nonane	96.8 %	61-141		11/07/25	11/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2546027
Chloride	ND	20.0	1	11/10/25	11/10/25	

Sample Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12-35 (7140) Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/13/2025 3:30:15PM
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CS-4 3'

E511049-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2545144
Benzene	ND	0.0250	1	11/07/25	11/12/25	
Ethylbenzene	ND	0.0250	1	11/07/25	11/12/25	
Toluene	ND	0.0250	1	11/07/25	11/12/25	
o-Xylene	ND	0.0250	1	11/07/25	11/12/25	
p,m-Xylene	ND	0.0500	1	11/07/25	11/12/25	
Total Xylenes	ND	0.0250	1	11/07/25	11/12/25	
Surrogate: 4-Bromochlorobenzene-PID		120 %	70-130		11/07/25	11/12/25
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2545144
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/07/25	11/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130		11/07/25	11/12/25
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2545149
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/25	11/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/07/25	11/08/25	
Surrogate: n-Nonane		100 %	61-141		11/07/25	11/08/25
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2546027
Chloride	27.8	20.0	1		11/10/25	11/10/25

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12-35 (7140) Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/13/2025 3:30:15PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545144-BLK1)

Prepared: 11/07/25 Analyzed: 11/12/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID

9.39 8.00 117 70-130

LCS (2545144-BS1)

Prepared: 11/07/25 Analyzed: 11/12/25

Benzene	4.46	0.0250	5.00	89.1	70-130				
Ethylbenzene	4.24	0.0250	5.00	84.8	70-130				
Toluene	4.34	0.0250	5.00	86.9	70-130				
o-Xylene	4.32	0.0250	5.00	86.4	70-130				
p,m-Xylene	8.65	0.0500	10.0	86.5	70-130				
Total Xylenes	13.0	0.0250	15.0	86.5	70-130				

Surrogate: 4-Bromochlorobenzene-PID

9.15 8.00 114 70-130

Matrix Spike (2545144-MS1)

Source: E511046-04

Prepared: 11/07/25 Analyzed: 11/12/25

Benzene	4.15	0.0250	5.00	ND	83.0	70-130			
Ethylbenzene	4.00	0.0250	5.00	ND	80.1	70-130			
Toluene	4.08	0.0250	5.00	ND	81.5	70-130			
o-Xylene	4.11	0.0250	5.00	ND	82.2	70-130			
p,m-Xylene	8.21	0.0500	10.0	ND	82.1	70-130			
Total Xylenes	12.3	0.0250	15.0	ND	82.1	70-130			

Surrogate: 4-Bromochlorobenzene-PID

9.90 8.00 124 70-130

Matrix Spike Dup (2545144-MSD1)

Source: E511046-04

Prepared: 11/07/25 Analyzed: 11/12/25

Benzene	4.01	0.0250	5.00	ND	80.2	70-130	3.48	27	
Ethylbenzene	3.86	0.0250	5.00	ND	77.3	70-130	3.56	26	
Toluene	3.92	0.0250	5.00	ND	78.5	70-130	3.81	20	
o-Xylene	3.95	0.0250	5.00	ND	78.9	70-130	4.08	25	
p,m-Xylene	7.91	0.0500	10.0	ND	79.1	70-130	3.68	23	
Total Xylenes	11.9	0.0250	15.0	ND	79.1	70-130	3.82	26	

Surrogate: 4-Bromochlorobenzene-PID

9.90 8.00 124 70-130

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12-35 (7140) Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/13/2025 3:30:15PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2545144-BLK1)

Prepared: 11/07/25 Analyzed: 11/12/25

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130		

LCS (2545144-BS2)

Prepared: 11/07/25 Analyzed: 11/12/25

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130		

Matrix Spike (2545144-MS2)

Source: E511046-04

Prepared: 11/07/25 Analyzed: 11/12/25

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.6	70-130		

Matrix Spike Dup (2545144-MSD2)

Source: E511046-04

Prepared: 11/07/25 Analyzed: 11/12/25

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130	1.36	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.7	70-130		

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12-35 (7140) Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/13/2025 3:30:15PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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Blank (2545149-BLK1)

Prepared: 11/07/25 Analyzed: 11/07/25

Diesel Range Organics (C10-C28)	ND	25.0						
Oil Range Organics (C28-C36)	ND	50.0						
Surrogate: n-Nonane	49.5		50.0		99.0	61-141		

LCS (2545149-BS1)

Prepared: 11/07/25 Analyzed: 11/07/25

Diesel Range Organics (C10-C28)	245	25.0	250	97.9	66-144			
Surrogate: n-Nonane	49.3		50.0	98.6	61-141			

Matrix Spike (2545149-MS1)

Source: E511047-03

Prepared: 11/07/25 Analyzed: 11/11/25

Diesel Range Organics (C10-C28)	262	25.0	250	37.1	89.9	56-156		
Surrogate: n-Nonane	47.2		50.0	94.4	61-141			

Matrix Spike Dup (2545149-MSD1)

Source: E511047-03

Prepared: 11/07/25 Analyzed: 11/11/25

Diesel Range Organics (C10-C28)	272	25.0	250	37.1	93.8	56-156	3.70	20
Surrogate: n-Nonane	48.0		50.0	96.0	61-141			

QC Summary Data

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12-35 (7140) Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/13/2025 3:30:15PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2546027-BLK1)

Prepared: 11/10/25 Analyzed: 11/10/25

Chloride ND 20.0

LCS (2546027-BS1)

Prepared: 11/10/25 Analyzed: 11/10/25

Chloride 256 20.0 250 102 90-110

Matrix Spike (2546027-MS1)

Source: E511047-02 Prepared: 11/10/25 Analyzed: 11/10/25

Chloride 1230 20.0 250 950 114 80-120

Matrix Spike Dup (2546027-MSD1)

Source: E511047-02 Prepared: 11/10/25 Analyzed: 11/11/25

Chloride 1170 20.0 250 950 89.5 80-120 5.10 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: MAL-12-35 (7140) Project Number: 24064-0001 Project Manager: Gilbert Moreno	Reported: 11/13/25 15:30
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Envirotech Analytical Laboratory

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Earth Systems
Phone: 832-541-7719
Email: gmoreno@earthsys.netDate Received: 11/07/25 08:00
Date Logged In: 11/06/25 16:11
Due Date: 11/13/25 17:00 (4 day TAT)Work Order ID: E511049
Logged In By: Noe Soto**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC Yes
 3. Were samples dropped off by client or carrier? Yes Carrier: Courier
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
 Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)6. Did the COC indicate standard TAT, or Expedited TAT? Yes**Sample Cooler**

7. Was a sample cooler received? Yes
 8. If yes, was cooler received in good condition? Yes
 9. Was the sample(s) received intact, i.e., not broken? Yes
 10. Were custody/security seals present? No
 11. If yes, were custody/security seals intact? NA
 12. Was the sample received on ice? No
 Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.**Sample Container**

14. Are aqueous VOC samples present? No
 15. Are VOC samples collected in VOA Vials? NA
 16. Is the head space less than 6-8 mm (pea sized or less)? NA
 17. Was a trip blank (TB) included for VOC analyses? NA
 18. Are non-VOC samples collected in the correct containers? Yes
 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 Sample ID? Yes
 Date/Time Collected? Yes
 Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
 22. Are sample(s) correctly preserved? NA
 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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 529355

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 529355
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2523946119
Incident Name	NAPP2523946119 MAL-12-35 @ E-21-18S-31E
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	MAL-12-35
Date Release Discovered	08/27/2025
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Corrosion Pipeline (Any) Crude Oil Released: 11 BBL Recovered: 0 BBL Lost: 11 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Not answered.

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

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

QUESTIONS, Page 2

Action 529355

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 529355
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
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	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Ivan Jimenez Title: Environmental Tech Email: ijimenez@kinetik.com Date: 11/24/2025
--	--

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

General Information
Phone: (505) 629-6116

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QUESTIONS, Page 3

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

Action 529355

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 529355
	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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1290
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	27700
GRO+DRO (EPA SW-846 Method 8015M)	25500
BTEX (EPA SW-846 Method 8021B or 8260B)	88.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0.5

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	10/20/2025
On what date will (or did) the final sampling or liner inspection occur	11/06/2025
On what date will (or was) the remediation complete(d)	11/08/2025
What is the estimated surface area (in square feet) that will be reclaimed	2600
What is the estimated volume (in cubic yards) that will be reclaimed	520
What is the estimated surface area (in square feet) that will be remediated	2600
What is the estimated volume (in cubic yards) that will be remediated	520

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
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General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 529355

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 529355
	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	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Ivan Jimenez Title: Environmental Tech Email: iijimenez@kinetik.com Date: 11/24/2025
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 529355

QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 529355
	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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QUESTIONS, Page 6

Action 529355

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Energy, Minerals and Natural Resources
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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 529355
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	522796
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/06/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2600
What was the total volume (cubic yards) remediated	520
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	2600
What was the total volume (in cubic yards) reclaimed	520
Summarize any additional remediation activities not included by answers (above)	The Site was remediated according to Site Closure Criteria and has been backfilled with clean, locally sourced material.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Ivan Jimenez Title: Environmental Tech Email: ijimenez@kinetik.com Date: 11/24/2025
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QUESTIONS, Page 7

Action 529355

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 529355
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 529355

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 529355
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2523946119 MAL-12-35, thank you. This Remediation Closure Report is approved.	12/17/2025