Earth Systems
Response & Restoration

September 19, 2025

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

RE: **Maljamar Gas Plant - Closure Request Report**
Incident Number: nAPP2516756421
GPS: 32.8132754°, -103.7710426°
Lea County, New Mexico
ESRR Project No. 639

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 and condensate at the Maljamar Gas Plant (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 O, Section 21, Township 17 South, Range 32 East, in Lea County, New Mexico (32.8132754°, -103.7710426°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1**).

On June 16, 2025, a high pressure pipeline caused the release of a mixture of crude oil and condensate onto the production pad surface. It should be noted that the total volume reported by Kinetik should be updated to 5 total barrels (bbls) of crude oil and condensate and not 10 bbls. There was no way to accurately estimate the volume of each, so the same volumes were input twice to differentiate the two different fluids. A vacuum truck was reported by Kinetik to have recovered 3 bbls of fluids.

Kinetik gave notice to the New Mexico Oil Conservation Division (NMOCD) on June 16, 2025, by Notification of Release (NOR) and a Corrective Action Form C-141 (Form C-141) and was subsequently assigned Incident Number nAPP2516756421. ESRR conducted initial site assessment activities and mapped the observed release footprint on June 19, 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 1,000 feet and ½ mile of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- Within area 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;
- Between 1 and 5 miles of any other freshwater well or spring;
- Between 1 and 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between ½ and 1 mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- Greater than 5 miles of any unstable area (i.e. high karst potential); and
- Greater than 5 miles of a 100-year floodplain.

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

Based on the results from the desktop review, depth to water is estimated to be greater than 55 feet below grade surface (bgs) and the Site is considered within area of an institution. The following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria‡
Chloride	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	100 mg/kg
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	50 mg/kg

‡*The reclamation concentration requirements of 600 mg/kg Chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.*
TPH= Gasoline Range Organics + Diesel Range Organics + Oil Range Organics
Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Delineation Activities

On July 2 and 3, 2025, ESRR conducted delineation activities to assess the presence or absence of soil impacts associated with the AOC. Nineteen delineation boreholes (HA-1 through HA-19) were advanced via hand auger within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. One soil sample was collected from each delineation borehole, representing the highest observed field screening concentrations. Delineation soil samples were placed directly into pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities are attached.

Laboratory analytical results for soil samples (HA-1 through HA-19) were compliant with Site Closure Criteria and/or the reclamation standard defining the vertical extent and horizontal periphery of the AOC.

Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.

Remediation Activities

On August 13 and 14, 2025, excavation activities of identified impacts were performed via hand digging based on laboratory analytical results associated with delineation soil sampling activities and visual observation. The excavation was vertically advanced to a depth of 0.25-feet bgs.

Following the removal of soil, ESRR collected 5-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-10) and sidewalls (SW-1 and SW-5). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon resealable plastic bag. The confirmation soil samples were handled, transported, and analyzed as previously described.

Laboratory analytical results indicated that concentrations of confirmation soil samples (CS-9, CS-10 and SW-1 through SW-5) do not exceed the applicable Site Closure Criteria and/or reclamation standard.

Laboratory analytical results for confirmation soil samples (CS-1 through CS-8) indicated TPH-GRO+DRO+ORO concentrations exceeded the Site Closure Criteria and/or reclamation standard. Elevated TPH-GRO+DRO+ORO is characterized by concentrations ranging from 106 mg/kg to 1,660 mg/kg at 0.25-feet bgs specifically for TPH-DRO and/ or TPH-ORO.

Additional excavation in the proximities to confirmation soil samples (CS-1 through CS-8) were vertically advanced to an approximate depth of 0.5-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 (CS-1 through CS-8 and SW-1 through SW-5) do not exceed the applicable Site Closure Criteria and/or reclamation standard. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all final confirmation soil samples are shown in **Figure 3**.

Approximately 20 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 nAPP2516756421.

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

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

Kris Williams, CHMM, REM
Principal

cc: Sebastian Orozco, Kinetik Midstream

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 & Correspondance
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports

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Figure 1 – Site Map

Kinetik Midstream – Maljamar Gas Plant
GPS: 32.8132754,-103.7710426
Lea County, New Mexico

KINETIK

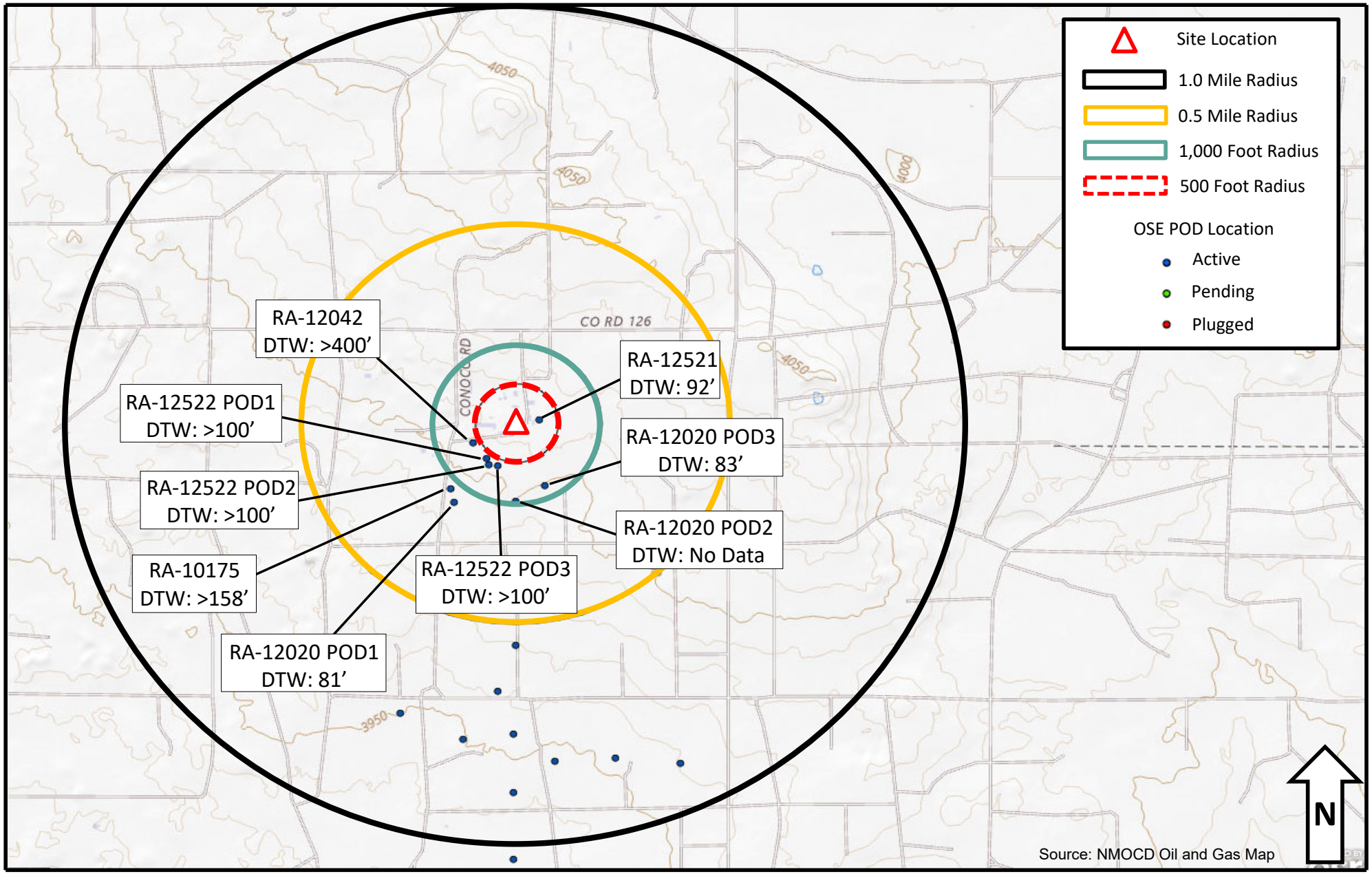

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Figure 1A – Ground Water

Kinetik Midstream – Maljamar Gas Plant
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KINETIK

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Figure 1B – Karst Potential

Kinetik Midstream – Maljamar Gas Plant
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KINETIK

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Figure 2 – Delineation Soil Sample Locations

Kinetik Midstream – Maljamar Gas Plant
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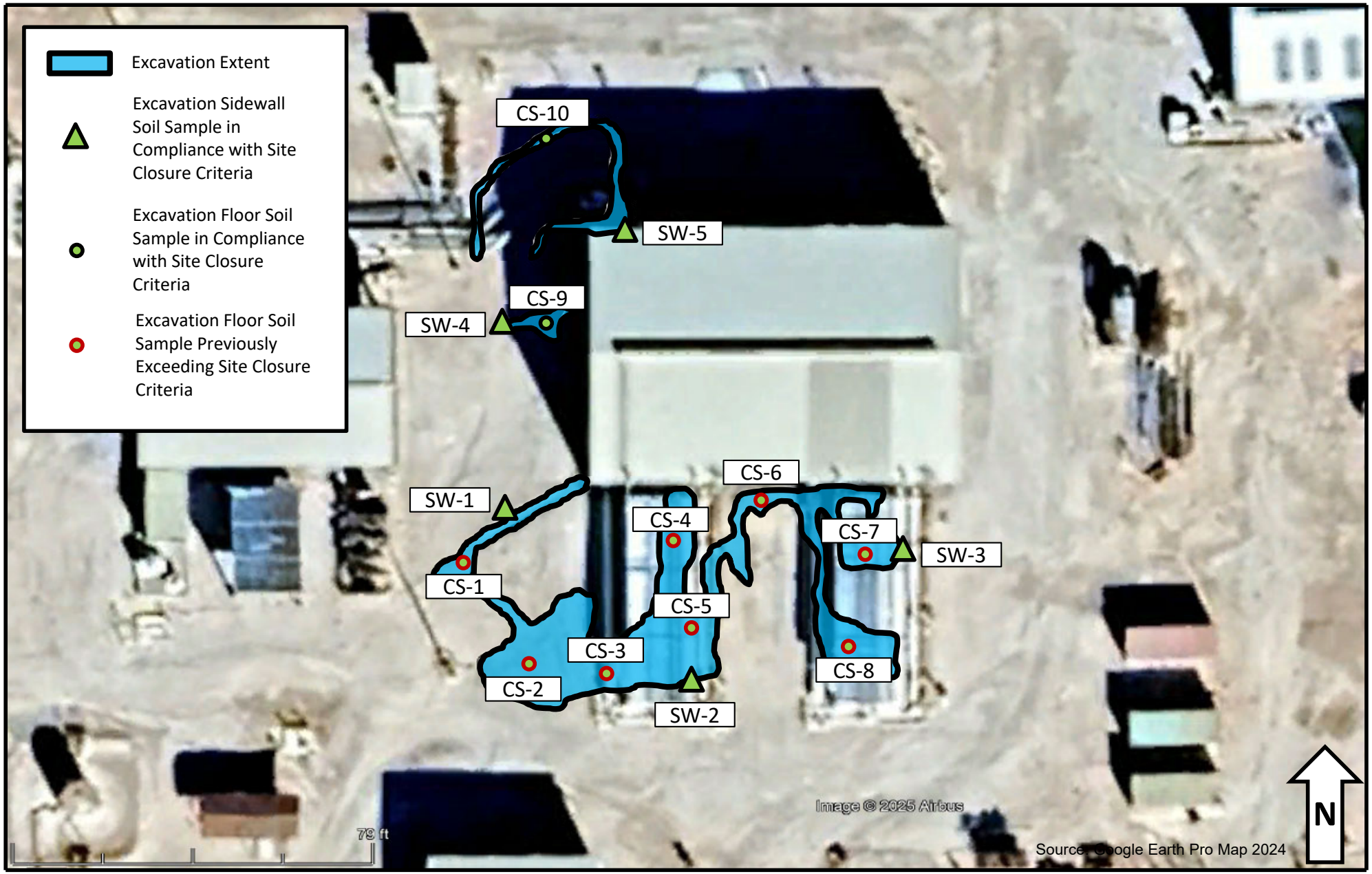
Lea County, New Mexico

KINETIK



Earth Systems Response & Restoration

Figure 3 – Excavation Soil Sample Locations

Kinetik Midstream – Maljamar Gas Plant
GPS: 32.8132754,-103.7710426
Lea County, New Mexico

KINETIK

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE ENGINEERING BUREAU
SANTA FE, NEW MEXICO

2017 AUG 22 PM 2:55

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): MW-24 POD1	WELL TAG ID NO.	OSE FILE NO(S.): RA-12521
WELL OWNER NAME(S): Phillips 66		PHONE (OPTIONAL): 918-914-3846
WELL OWNER MAILING ADDRESS: 420 S Keeler Ave. (1708-01 Phillips Building)		CITY: Bartlesville STATE: OK ZIP: 74003

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	48	48.32	N
	LONGITUDE	103	46	13.21	W

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

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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
07/21/2017	07/26/2017	105.0		92.0

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 92.0

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0.0	75.0	7 7/8	Sch. 40 PVC Riser	Threads	2.0	1/4"	
75.0	105.0	7 7/8	Sch. 40 PVC Screen	Threads	2.0	1/4"	.020

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0.0	65.0	7 7/8	Portland Grout	8 Bags	Pump Mix w/Trommie Pi
65.0	72.0	7 7/8	Bentonite Chips	2 Bags	Hand Mix
72.0	105.0	7 7/8	8/16 Sand	13 Bags	Hand Mix

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. RA-12521	POD NO. 1	TRN NO. 609310	
LOCATION 17S.32E.21.433	WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0.0	1.0	1	Base Caliche	Y ✓ N	
1.0	7.0	6	Brown Sand	Y ✓ N	
7.0	10.0	3	Reddish brown clayey sand	Y ✓ N	
10.0	18.0	8.0	Light brown sand/sandstone	Y ✓ N	
18.0	34.0	16.0	Reddish brown sand/sandstone	Y ✓ N	
34.0	40.0	6.0	Dark reddish brown silty shale HC odor @ 39'	Y ✓ N	
40.0	42.0	2.0	Reddish brown and brown sandstone	Y ✓ N	
42.0	49.0	7.0	Reddish brown silty shale	Y ✓ N	
49.0	53.0	4.0	Greenish gray sand/sandstone	Y ✓ N	
53.0	70.0	17.0	Purple brown silty sandstone	Y ✓ N	
70.0	85.0	15.0	Light brown sand/sandstone	Y ✓ N	
85.0	101.0	16.0	Green gray silty sandstone Damp @ 86'	✓ Y N	
101.0	105.0	4.0	Gray silty sandstone/shale	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION: Hydrocarbon present in soil

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

William B. Atkins

6. SIGNATURE

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

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/8/2017

DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

Maljamar Gas Plant - Closure Request Report
Incident Number: nAPP2516756421
GPS: 32.8132754°, -103.7710426°

PHOTO 1: Northeastern view during initial site assessment. 6/19/2025

PHOTO 2: Northeastern view during initial site assessment. 6/19/2025

Maljamar Gas Plant - Closure Request Report
Incident Number: nAPP2516756421
GPS: 32.8132754°, -103.7710426°

PHOTO 3: Northern view during delineation activities. 7/2/2025

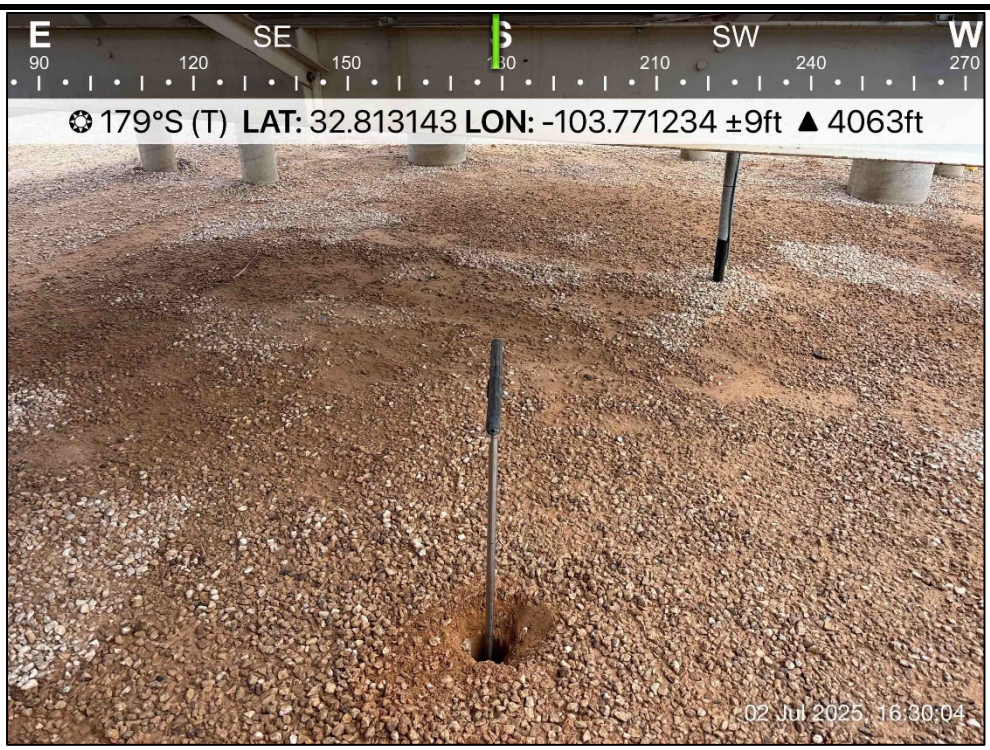


PHOTO 4: Southern view during delineation activities. 7/2/2025

Maljamar Gas Plant - Closure Request Report
Incident Number: nAPP2516756421
GPS: 32.8132754°, -103.7710426°

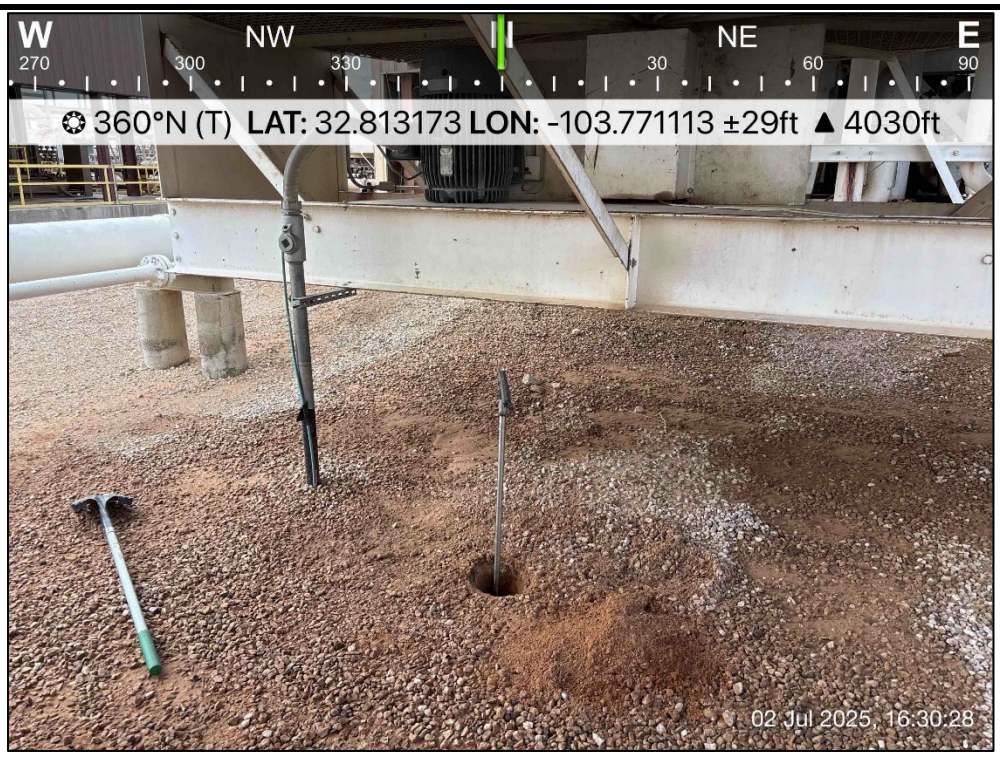


PHOTO 5: Northern view during delineation activities. 7/2/2025

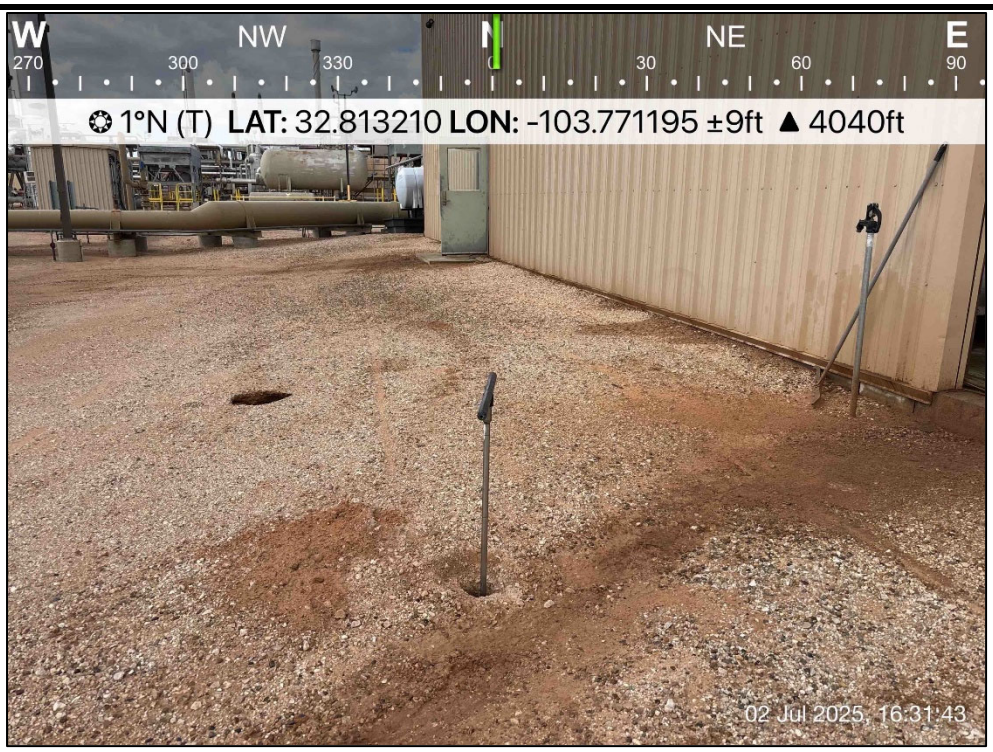


PHOTO 6: Northern view during delineation activities. 7/2/2025

Maljamar Gas Plant - Closure Request Report
Incident Number: nAPP2516756421
GPS: 32.8132754°, -103.7710426°

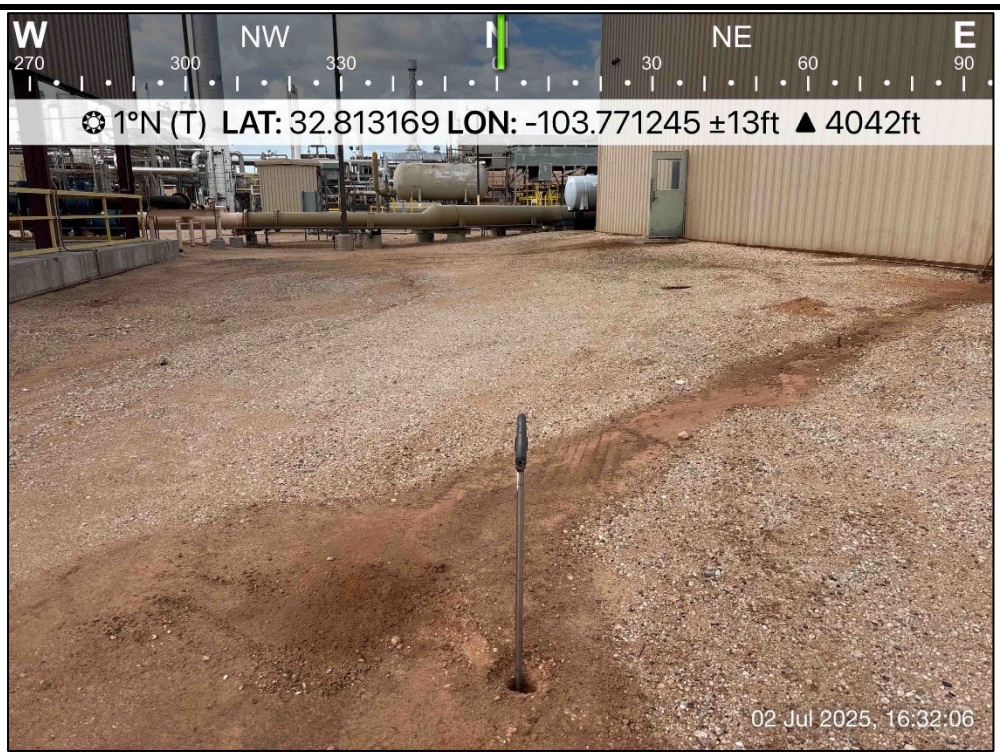


PHOTO 7: Northern view during delineation activities. 7/2/2025

PHOTO 8: Northern view during delineation activities. 7/2/2025

Maljamar Gas Plant - Closure Request Report
Incident Number: nAPP2516756421
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PHOTO 9: Northern view during delineation activities. 7/3/2025

PHOTO 10: Northern view during delineation activities. 7/3/2025

Maljamar Gas Plant - Closure Request Report
Incident Number: nAPP2516756421
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PHOTO 11: Northern view during excavation activities. 8/13/2025

PHOTO 12: Southwestern view during excavation activities. 8/13/2025

Maljamar Gas Plant - Closure Request Report
Incident Number: nAPP2516756421
GPS: 32.8132754°, -103.7710426°

PHOTO 13: Southeastern view of excavation extent. 8/14/2025

PHOTO 14: Southeastern view of excavation extent. 8/21/2025

Maljamar Gas Plant - Closure Request Report
Incident Number: nAPP2516756421
GPS: 32.8132754°, -103.7710426°

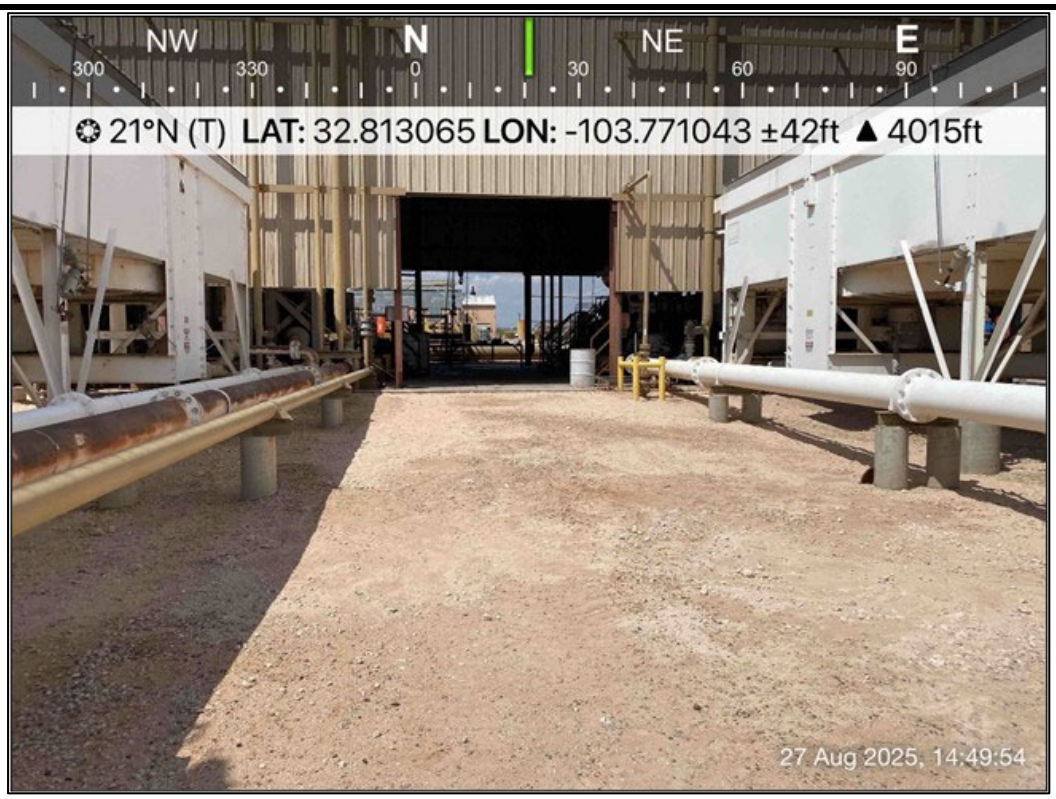

PHOTO 15: Northeastern view following restoration activities. 8/27/2025

PHOTO 16: Northeastern view following restoration activities. 8/27/2025

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Maljamar Gas Plant
Lea County, New Mexico

KINETIK

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Delineation Soil Samples - nAPP2516756421									
HA - 1	7/2/2025	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	141
HA - 2	7/2/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	92.0
HA - 3	7/2/2025	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	113
HA - 4	7/2/2025	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	160
HA - 5	7/2/2025	0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	162
HA - 6	7/2/2025	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	106
HA - 7	7/2/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	130
HA - 8	7/2/2025	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	74.7
HA - 9	7/3/2025	0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	137
HA - 10	7/3/2025	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	88.1
HA - 11	7/3/2025	0.5	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	78.8
HA - 12	7/3/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	85.5
HA - 13	7/3/2025	0.5	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1	85.4
HA - 14	7/3/2025	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	93.9
HA - 15	7/3/2025	0.5	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	74.7
HA - 16	7/3/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	132
HA - 17	7/3/2025	0.5	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	134
HA - 18	7/3/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	112
HA - 19	7/3/2025	0.5	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	260
Confirmation Soil Samples - nAPP2516756421									
CS - 1	8/14/2025	0.25	<0.00199	<0.00398	<50.0	197	1,460	1,660	12.9
CS - 1	8/21/2025	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	199
CS - 2	8/14/2025	0.25	<0.00198	<0.00397	<49.7	<49.7	205	205	<10.1
CS - 2	8/21/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	241
CS - 3	8/14/2025	0.25	<0.00202	<0.00404	<49.8	67.1	496	563	10.5
CS - 3	8/21/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	214

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Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Maljamar Gas Plant
Lea County, New Mexico

KINETIK

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Confirmation Soil Samples - nAPP2516756421									
CS - 4	8/14/2025	0.25	<0.00201	<0.00402	<49.9	<49.9	648	**648**	<10.0
CS - 4	8/21/2025	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	231
CS - 5	8/14/2025	0.25	<0.00200	<0.00400	<49.8	<49.8	445	**445**	<10.1
CS - 5	8/21/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	241
CS - 6	8/14/2025	0.25	<0.00198	<0.00396	<50.0	54.5	500	**555**	<9.94
CS - 6	8/21/2025	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	234
CS - 7	8/14/2025	0.25	<0.00202	<0.00404	<49.8	<49.8	136	**136**	<9.92
CS - 7	8/21/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	236
CS - 8	8/14/2025	0.25	<0.00202	<0.00403	<49.9	<49.9	106	**106**	<9.98
CS - 8	8/21/2025	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	254
CS - 9	8/14/2025	0.25	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	53.8
CS - 10	8/14/2025	0.25	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<9.92
SW - 1	8/14/2025	0-0.25	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	33.3
SW - 2	8/14/2025	0-0.25	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	71.6
SW - 3	8/14/2025	0-0.25	<0.00199	<0.00398	<50.0	<50.0	51.1	51.1	16.1
SW - 4	8/14/2025	0-0.25	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	186
SW - 5	8/14/2025	0-0.25	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	37.0

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

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 478778
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2516756421**
Incident Name	**NAPP2516756421 MALJAMAR GAS PLANT @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123229442] Frontier Field Services Gathering System**

Location of Release Source	
Site Name	**Maljamar Gas Plant**
Date Release Discovered	**06/16/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,945
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/02/2025
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	32.8132754,-103.7710426

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Santa Fe, NM 87505

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 478778
	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.	6/25/2025
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.	6/25/2025

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QUESTIONS

Action 478779

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 478779
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2516756421**
Incident Name	**NAPP2516756421 MALJAMAR GAS PLANT @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123229442] Frontier Field Services Gathering System**

Location of Release Source	
Site Name	**Maljamar Gas Plant**
Date Release Discovered	**06/16/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,945
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/03/2025
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	32.8132754,-103.7710426

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

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

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 478779
	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.	6/25/2025
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.	6/25/2025

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

QUESTIONS

Action 493234

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 493234
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2516756421**
Incident Name	**NAPP2516756421 MALJAMAR GAS PLANT @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123229442] Frontier Field Services Gathering System**

Location of Release Source	
Site Name	**Maljamar Gas Plant**
Date Release Discovered	**06/16/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,164
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/14/2025
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	32.8132754,-103.7710426

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 493234
	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.	8/7/2025
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.	8/7/2025

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Phone: (505) 476-3441

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

QUESTIONS

Action 497029

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 497029
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2516756421**
Incident Name	**NAPP2516756421 MALJAMAR GAS PLANT @ 0**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2123229442] Frontier Field Services Gathering System**

Location of Release Source	
Site Name	**Maljamar Gas Plant**
Date Release Discovered	**06/16/2025**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.8132754,-103.7710426

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

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CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 497029
	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.	8/19/2025
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.	8/19/2025

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/10/2025 11:44:21 AM

JOB DESCRIPTION

Maljamar Gas Plant
Lea County, NM

JOB NUMBER

890-8383-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

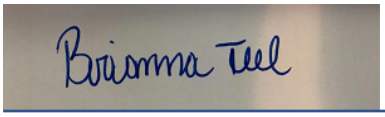
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/10/2025 11:44:21 AM

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

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Laboratory Job ID: 890-8383-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8383-1
Project: Maljamar Gas Plant

Job ID: 890-8383-1 Eurofins Carlsbad

Job Narrative
890-8383-1

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

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

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

Receipt
The samples were received on 7/7/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8383-1), HA - 1 (890-8383-2), HA - 2 (890-8383-3), HA - 2 (890-8383-4), HA - 3 (890-8383-5), HA - 3 (890-8383-6), HA - 4 (890-8383-7), HA - 4 (890-8383-8), HA - 5 (890-8383-9), HA - 5 (890-8383-10), HA - 6 (890-8383-11) and HA - 6 (890-8383-12).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8383-1), HA - 2 (890-8383-3), HA - 3 (890-8383-5), HA - 4 (890-8383-7), HA - 5 (890-8383-9), HA - 6 (890-8383-11) and (LCSD 880-113746/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-113733 and analytical batch 880-113767 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8383-1), HA - 2 (890-8383-3), HA - 3 (890-8383-5), HA - 4 (890-8383-7), HA - 5 (890-8383-9) and HA - 6 (890-8383-11). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-8383-A-1-G MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-8383-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-113767 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-113767/32).

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113747 and analytical batch 880-113757 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8383-1
Matrix: Solid
Date Collected: 07/02/25 13:00
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 12:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/25 09:43	07/08/25 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 12:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/25 09:43	07/08/25 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 12:03*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*07/08/25 09:43*	*07/08/25 12:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/25 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/08/25 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 11:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 11:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*07/08/25 08:04*	*07/08/25 11:50*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 11:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**141**		10.1		mg/Kg			07/08/25 13:40	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8383-3
Matrix: Solid
Date Collected: 07/02/25 13:10
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 12:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 12:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 12:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/25 09:43	07/08/25 12:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 12:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/25 09:43	07/08/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 12:24*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8383-3
Matrix: Solid
Date Collected: 07/02/25 13:10
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*07/08/25 09:43*	*07/08/25 12:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/25 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/08/25 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 12:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 12:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*118*		*70 - 130*	*07/08/25 08:04*	*07/08/25 12:34*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 12:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.0**		9.98		mg/Kg			07/08/25 13:47	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8383-5
Matrix: Solid
Date Collected: 07/02/25 13:20
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 12:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 12:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 12:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/08/25 09:43	07/08/25 12:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 12:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/08/25 09:43	07/08/25 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 12:44*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/08/25 09:43*	*07/08/25 12:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/25 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/08/25 12:49	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8383-5
Matrix: Solid
Date Collected: 07/02/25 13:20
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 12:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 12:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*07/08/25 08:04*	*07/08/25 12:49*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 12:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**	**F1**	9.94		mg/Kg			07/08/25 13:55	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8383-7
Matrix: Solid
Date Collected: 07/02/25 13:30
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 13:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 13:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 13:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/08/25 09:43	07/08/25 13:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 13:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/08/25 09:43	07/08/25 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 13:05*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/08/25 09:43*	*07/08/25 13:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/25 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/08/25 13:03	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	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*07/08/25 08:04*	*07/08/25 13:03*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 13:03*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8383-7
Matrix: Solid
Date Collected: 07/02/25 13:30
Date Received: 07/07/25 08:30
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		9.92		mg/Kg			07/08/25 14:16	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8383-9
Matrix: Solid
Date Collected: 07/02/25 13:40
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 13:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 13:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/25 09:43	07/08/25 13:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 13:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/25 09:43	07/08/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 13:25*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/08/25 09:43*	*07/08/25 13:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/08/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/08/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*07/08/25 08:04*	*07/08/25 13:18*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 13:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		10.1		mg/Kg			07/08/25 14:23	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Client Sample ID: HA - 6

Date Collected: 07/02/25 13:50
Date Received: 07/07/25 08:30
Sample Depth: 0.5

Lab Sample ID: 890-8383-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 13:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 13:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/25 09:43	07/08/25 13:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 13:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/25 09:43	07/08/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 13:45*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/08/25 09:43*	*07/08/25 13:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/25 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/08/25 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*07/08/25 08:04*	*07/08/25 13:33*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 13:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		9.98		mg/Kg			07/08/25 14:45	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8383-1	HA - 1	151 S1+	82
890-8383-1 MS	HA - 1	124	92
890-8383-1 MSD	HA - 1	125	92
890-8383-3	HA - 2	134 S1+	74
890-8383-5	HA - 3	137 S1+	85
890-8383-7	HA - 4	134 S1+	86
890-8383-9	HA - 5	134 S1+	85
890-8383-11	HA - 6	132 S1+	85
LCS 880-113746/1-A	Lab Control Sample	128	88
LCSD 880-113746/2-A	Lab Control Sample Dup	134 S1+	90
MB 880-113746/5-A	Method Blank	127	81

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8383-1	HA - 1	119	141 S1+
890-8383-1 MS	HA - 1	127	138 S1+
890-8383-1 MSD	HA - 1	133 S1+	137 S1+
890-8383-3	HA - 2	118	137 S1+
890-8383-5	HA - 3	115	134 S1+
890-8383-7	HA - 4	122	141 S1+
890-8383-9	HA - 5	113	132 S1+
890-8383-11	HA - 6	120	140 S1+
LCS 880-113733/2-A	Lab Control Sample	73	77
LCSD 880-113733/3-A	Lab Control Sample Dup	73	79
MB 880-113733/1-A	Method Blank	125	141 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113746/5-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/25 09:43	07/08/25 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*07/08/25 09:43*	*07/08/25 11:42*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/08/25 09:43*	*07/08/25 11:42*	*1*

Lab Sample ID: LCS 880-113746/1-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1099		mg/Kg		110	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1112		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2185		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1167		mg/Kg		117	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-113746/2-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113746

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1113		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	2	35
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2238		mg/Kg		112	70 - 130	2	35
o-Xylene	0.100	0.1196		mg/Kg		120	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 890-8383-1 MS
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 113746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1072		mg/Kg		107	70 - 130
Toluene	<0.00200	U	0.100	0.09553		mg/Kg		96	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8383-1 MS
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 113746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1975		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.1048		mg/Kg		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-8383-1 MSD
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 113746

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1071		mg/Kg		107	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09586		mg/Kg		96	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.1028		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1994		mg/Kg		100	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1058		mg/Kg		106	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

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

Lab Sample ID: MB 880-113733/1-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*

Lab Sample ID: LCS 880-113733/2-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1236		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1264		mg/Kg		126	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-113733/2-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113733

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: LCSD 880-113733/3-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113733

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1204		mg/Kg		120	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1279		mg/Kg		128	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: 890-8383-1 MS
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 113733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	727.0		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	712.5		mg/Kg		70	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	138	S1+	70 - 130

Lab Sample ID: 890-8383-1 MSD
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 113733

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	733.6		mg/Kg		73	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	712.7		mg/Kg		70	70 - 130	0	20

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

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113747/1-A
Matrix: Solid
Analysis Batch: 113757

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/08/25 11:52	1

Lab Sample ID: LCS 880-113747/2-A
Matrix: Solid
Analysis Batch: 113757

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	235.9		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-113747/3-A
Matrix: Solid
Analysis Batch: 113757

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	239.6		mg/Kg		96	90 - 110	2	20

Lab Sample ID: 890-8383-5 MS
Matrix: Solid
Analysis Batch: 113757

Client Sample ID: HA - 3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	113	F1	249	397.0	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 890-8383-5 MSD
Matrix: Solid
Analysis Batch: 113757

Client Sample ID: HA - 3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	113	F1	249	401.7	F1	mg/Kg		116	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 113737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8383-1	HA - 1	Total/NA	Solid	8021B	113746
890-8383-3	HA - 2	Total/NA	Solid	8021B	113746
890-8383-5	HA - 3	Total/NA	Solid	8021B	113746
890-8383-7	HA - 4	Total/NA	Solid	8021B	113746
890-8383-9	HA - 5	Total/NA	Solid	8021B	113746
890-8383-11	HA - 6	Total/NA	Solid	8021B	113746
MB 880-113746/5-A	Method Blank	Total/NA	Solid	8021B	113746
LCS 880-113746/1-A	Lab Control Sample	Total/NA	Solid	8021B	113746
LCSD 880-113746/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113746
890-8383-1 MS	HA - 1	Total/NA	Solid	8021B	113746
890-8383-1 MSD	HA - 1	Total/NA	Solid	8021B	113746

Prep Batch: 113746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8383-1	HA - 1	Total/NA	Solid	5035	
890-8383-3	HA - 2	Total/NA	Solid	5035	
890-8383-5	HA - 3	Total/NA	Solid	5035	
890-8383-7	HA - 4	Total/NA	Solid	5035	
890-8383-9	HA - 5	Total/NA	Solid	5035	
890-8383-11	HA - 6	Total/NA	Solid	5035	
MB 880-113746/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113746/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113746/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8383-1 MS	HA - 1	Total/NA	Solid	5035	
890-8383-1 MSD	HA - 1	Total/NA	Solid	5035	

Analysis Batch: 113781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8383-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8383-3	HA - 2	Total/NA	Solid	Total BTEX	
890-8383-5	HA - 3	Total/NA	Solid	Total BTEX	
890-8383-7	HA - 4	Total/NA	Solid	Total BTEX	
890-8383-9	HA - 5	Total/NA	Solid	Total BTEX	
890-8383-11	HA - 6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8383-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8383-3	HA - 2	Total/NA	Solid	8015NM Prep	
890-8383-5	HA - 3	Total/NA	Solid	8015NM Prep	
890-8383-7	HA - 4	Total/NA	Solid	8015NM Prep	
890-8383-9	HA - 5	Total/NA	Solid	8015NM Prep	
890-8383-11	HA - 6	Total/NA	Solid	8015NM Prep	
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8383-1 MS	HA - 1	Total/NA	Solid	8015NM Prep	
890-8383-1 MSD	HA - 1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 113767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8383-1	HA - 1	Total/NA	Solid	8015B NM	113733
890-8383-3	HA - 2	Total/NA	Solid	8015B NM	113733
890-8383-5	HA - 3	Total/NA	Solid	8015B NM	113733
890-8383-7	HA - 4	Total/NA	Solid	8015B NM	113733
890-8383-9	HA - 5	Total/NA	Solid	8015B NM	113733
890-8383-11	HA - 6	Total/NA	Solid	8015B NM	113733
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015B NM	113733
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113733
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113733
890-8383-1 MS	HA - 1	Total/NA	Solid	8015B NM	113733
890-8383-1 MSD	HA - 1	Total/NA	Solid	8015B NM	113733

Analysis Batch: 113890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8383-1	HA - 1	Total/NA	Solid	8015 NM	
890-8383-3	HA - 2	Total/NA	Solid	8015 NM	
890-8383-5	HA - 3	Total/NA	Solid	8015 NM	
890-8383-7	HA - 4	Total/NA	Solid	8015 NM	
890-8383-9	HA - 5	Total/NA	Solid	8015 NM	
890-8383-11	HA - 6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8383-1	HA - 1	Soluble	Solid	DI Leach	
890-8383-3	HA - 2	Soluble	Solid	DI Leach	
890-8383-5	HA - 3	Soluble	Solid	DI Leach	
890-8383-7	HA - 4	Soluble	Solid	DI Leach	
890-8383-9	HA - 5	Soluble	Solid	DI Leach	
890-8383-11	HA - 6	Soluble	Solid	DI Leach	
MB 880-113747/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113747/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113747/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8383-5 MS	HA - 3	Soluble	Solid	DI Leach	
890-8383-5 MSD	HA - 3	Soluble	Solid	DI Leach	

Analysis Batch: 113757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8383-1	HA - 1	Soluble	Solid	300.0	113747
890-8383-3	HA - 2	Soluble	Solid	300.0	113747
890-8383-5	HA - 3	Soluble	Solid	300.0	113747
890-8383-7	HA - 4	Soluble	Solid	300.0	113747
890-8383-9	HA - 5	Soluble	Solid	300.0	113747
890-8383-11	HA - 6	Soluble	Solid	300.0	113747
MB 880-113747/1-A	Method Blank	Soluble	Solid	300.0	113747
LCS 880-113747/2-A	Lab Control Sample	Soluble	Solid	300.0	113747
LCSD 880-113747/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113747
890-8383-5 MS	HA - 3	Soluble	Solid	300.0	113747
890-8383-5 MSD	HA - 3	Soluble	Solid	300.0	113747

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Date Collected: 07/02/25 13:00
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8383-1
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	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113781	07/08/25 12:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			113890	07/08/25 11:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 11:50	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 13:40	CS	EET MID

Client Sample ID: HA - 2

Date Collected: 07/02/25 13:10
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8383-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113781	07/08/25 12:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			113890	07/08/25 12:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 12:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 13:47	CS	EET MID

Client Sample ID: HA - 3

Date Collected: 07/02/25 13:20
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8383-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113781	07/08/25 12:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			113890	07/08/25 12:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 12:49	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 13:55	CS	EET MID

Client Sample ID: HA - 4

Date Collected: 07/02/25 13:30
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8383-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113781	07/08/25 13:05	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Date Collected: 07/02/25 13:30
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8383-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113890	07/08/25 13:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 13:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 14:16	CS	EET MID

Client Sample ID: HA - 5

Date Collected: 07/02/25 13:40
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8383-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113781	07/08/25 13:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			113890	07/08/25 13:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 13:18	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 14:23	CS	EET MID

Client Sample ID: HA - 6

Date Collected: 07/02/25 13:50
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8383-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113781	07/08/25 13:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			113890	07/08/25 13:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 13:33	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 14:45	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8383-1
Project/Site: Maljamar Gas Plant
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8383-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8383-1	HA - 1	Solid	07/02/25 13:00	07/07/25 08:30	0.5
890-8383-3	HA - 2	Solid	07/02/25 13:10	07/07/25 08:30	0.5
890-8383-5	HA - 3	Solid	07/02/25 13:20	07/07/25 08:30	0.5
890-8383-7	HA - 4	Solid	07/02/25 13:30	07/07/25 08:30	0.5
890-8383-9	HA - 5	Solid	07/02/25 13:40	07/07/25 08:30	0.5
890-8383-11	HA - 6	Solid	07/02/25 13:50	07/07/25 08:30	0.5

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	
Project Number:	639	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TRM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.0
Total Containers:		Corrected Temperature:	-0.2

ANALYSIS REQUEST

890-8383 Chain of Custody

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-1	S	7.2.25	13:00	0.5	Grab/	1		X	X	X			Incident Number
HA-1	S	7.2.25	13:05	2	Grab/	1		X	X	X	X		nAPP2516756421
HA-2	S	7.2.25	13:10	0.5	Grab/	1		X	X	X			
HA-2	S	7.2.25	13:15	2	Grab/	1		X	X	X	X		
HA-3	S	7.2.25	13:20	0.5	Grab/	1		X	X	X			
HA-3	S	7.2.25	13:25	2	Grab/	1		X	X	X	X		
HA-4	S	7.2.25	13:30	0.5	Grab/	1		X	X	X			
HA-4	S	7.2.25	13:35	2	Grab/	1		X	X	X	X		
HA-5	S	7.2.25	13:40	0.5	Grab/	1		X	X	X			

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2	8:20 7/7	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	**Turn Around**	
Project Number:	639	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

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

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-5	S	7.2.25	13:45	2	Grab/	1	X	X	X	X		Incident Number
HA-6	S	7.2.25	13:50	0.5	Grab/	1	X	X	X			nAPP2516756421
HA-6	S	7.2.25	13:55	2	Grab/	1	X	X	X	X		

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

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

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8383-1
SDG Number: Lea County, NM

Login Number: 8383
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8383-1
SDG Number: Lea County, NM

Login Number: 8383
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 07/08/25 09:06 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/10/2025 12:42:28 PM

JOB DESCRIPTION

Maljamar Gas Plant
Lea County, NM

JOB NUMBER

890-8386-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

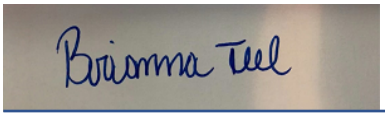
Eurofins Carlsbad

Job Notes

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

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

Authorization



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

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Laboratory Job ID: 890-8386-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8386-1
Project: Maljamar Gas Plant

Job ID: 890-8386-1 Eurofins Carlsbad

Job Narrative
890-8386-1

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

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

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

Receipt
The samples were received on 7/7/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 7 (890-8386-1) and HA - 7 (890-8386-2).

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-113733 and analytical batch 880-113767 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 7 (890-8386-1) and (890-8383-A-1-F). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-113767 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-113767/32).

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

Client Sample ID: HA - 7

Date Collected: 07/02/25 14:00
Date Received: 07/07/25 08:30
Sample Depth: 0.5

Lab Sample ID: 890-8386-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 12:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 12:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 12:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/25 10:21	07/08/25 12:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 12:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/25 10:21	07/08/25 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*07/08/25 10:21*	*07/08/25 12:01*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*07/08/25 10:21*	*07/08/25 12:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/25 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/08/25 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*07/08/25 08:04*	*07/08/25 17:35*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 17:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		9.92		mg/Kg			07/08/25 16:20	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8386-1	HA - 7	87	87
890-8386-1 MS	HA - 7	105	94
890-8386-1 MSD	HA - 7	114	100
LCS 880-113754/1-A	Lab Control Sample	91	106
LCSD 880-113754/2-A	Lab Control Sample Dup	111	95
MB 880-113754/5-A	Method Blank	83	95

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8386-1	HA - 7	119	141 S1+
LCS 880-113733/2-A	Lab Control Sample	73	77
LCSD 880-113733/3-A	Lab Control Sample Dup	73	79
MB 880-113733/1-A	Method Blank	125	141 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113754/5-A
Matrix: Solid
Analysis Batch: 113739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/25 10:21	07/08/25 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*07/08/25 10:21*	*07/08/25 11:40*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/08/25 10:21*	*07/08/25 11:40*	*1*

Lab Sample ID: LCS 880-113754/1-A
Matrix: Solid
Analysis Batch: 113739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09969		mg/Kg		100	70 - 130
Toluene	0.100	0.1018		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.1969		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09914		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-113754/2-A
Matrix: Solid
Analysis Batch: 113739

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113754

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09035		mg/Kg		90	70 - 130	10	35
Toluene	0.100	0.09556		mg/Kg		96	70 - 130	6	35
Ethylbenzene	0.100	0.1059		mg/Kg		106	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2358		mg/Kg		118	70 - 130	18	35
o-Xylene	0.100	0.1184		mg/Kg		118	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-8386-1 MS
Matrix: Solid
Analysis Batch: 113739

Client Sample ID: HA - 7
Prep Type: Total/NA
Prep Batch: 113754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08554		mg/Kg		86	70 - 130
Toluene	<0.00200	U	0.100	0.09042		mg/Kg		90	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8386-1 MS
Matrix: Solid
Analysis Batch: 113739

Client Sample ID: HA - 7
Prep Type: Total/NA
Prep Batch: 113754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1073		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1961		mg/Kg		98	70 - 130
o-Xylene	<0.00200	U	0.100	0.09879		mg/Kg		99	70 - 130

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

Lab Sample ID: 890-8386-1 MSD
Matrix: Solid
Analysis Batch: 113739

Client Sample ID: HA - 7
Prep Type: Total/NA
Prep Batch: 113754

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08715		mg/Kg		87	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08625		mg/Kg		86	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09224		mg/Kg		92	70 - 130	15	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1698		mg/Kg		85	70 - 130	14	35
o-Xylene	<0.00200	U	0.100	0.08825		mg/Kg		88	70 - 130	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-113733/1-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*

Lab Sample ID: LCS 880-113733/2-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1236		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1264		mg/Kg		126	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-113733/2-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113733

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: LCSD 880-113733/3-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1204		mg/Kg		120	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1279		mg/Kg		128	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113748/1-A
Matrix: Solid
Analysis Batch: 113762

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/08/25 13:47	1

Lab Sample ID: LCS 880-113748/2-A
Matrix: Solid
Analysis Batch: 113762

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-113748/3-A
Matrix: Solid
Analysis Batch: 113762

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.6		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 113739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8386-1	HA - 7	Total/NA	Solid	8021B	113754
MB 880-113754/5-A	Method Blank	Total/NA	Solid	8021B	113754
LCS 880-113754/1-A	Lab Control Sample	Total/NA	Solid	8021B	113754
LCSD 880-113754/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113754
890-8386-1 MS	HA - 7	Total/NA	Solid	8021B	113754
890-8386-1 MSD	HA - 7	Total/NA	Solid	8021B	113754

Prep Batch: 113754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8386-1	HA - 7	Total/NA	Solid	5035	
MB 880-113754/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113754/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113754/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8386-1 MS	HA - 7	Total/NA	Solid	5035	
890-8386-1 MSD	HA - 7	Total/NA	Solid	5035	

Analysis Batch: 113779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8386-1	HA - 7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8386-1	HA - 7	Total/NA	Solid	8015NM Prep	
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8386-1	HA - 7	Total/NA	Solid	8015B NM	113733
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015B NM	113733
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113733
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113733

Analysis Batch: 113893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8386-1	HA - 7	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8386-1	HA - 7	Soluble	Solid	DI Leach	
MB 880-113748/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113748/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113748/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 113762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8386-1	HA - 7	Soluble	Solid	300.0	113748

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 113762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113748/1-A	Method Blank	Soluble	Solid	300.0	113748
LCS 880-113748/2-A	Lab Control Sample	Soluble	Solid	300.0	113748
LCSD 880-113748/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113748

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

Client Sample ID: HA - 7
Date Collected: 07/02/25 14:00
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8386-1
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	113754	07/08/25 10:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113739	07/08/25 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113779	07/08/25 12:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			113893	07/08/25 17:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 17:35	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113748	07/08/25 09:51	SI	EET MID
Soluble	Analysis	300.0		1			113762	07/08/25 16:20	CS	EET MID

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8386-1
Project/Site: Maljamar Gas Plant
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8386-1	HA - 7	Solid	07/02/25 14:00	07/07/25 08:30	0.5

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	
Project Number:	639	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0
Total Containers:		Corrected Temperature:	-0.2

Preservative Codes

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

890-8386 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-7	S	7.2.25	14:00	0.5	Grab/	1	X	X	X			Incident Number
HA-7	S	7.2.25	14:05	4	Grab/	1	X	X	X	X		nAPP2516756421

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		7/7 830	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/10/2025 11:45:02 AM

JOB DESCRIPTION

Maljamar Gas Plant
Lea County, NM

JOB NUMBER

890-8385-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

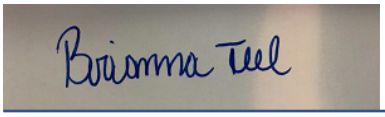
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/10/2025 11:45:02 AM

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

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Laboratory Job ID: 890-8385-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration Job ID: 890-8385-1
Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8385-1
Project: Maljamar Gas Plant

Job ID: 890-8385-1 Eurofins Carlsbad

Job Narrative
890-8385-1

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

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

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

Receipt
The samples were received on 7/7/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 8 (890-8385-1) and HA - 8 (890-8385-2).

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-113733 and analytical batch 880-113767 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 8 (890-8385-1) and (890-8383-A-1-F). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-113767 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-113767/32).

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

Client Sample ID: HA - 8

Date Collected: 07/02/25 14:15
Date Received: 07/07/25 08:30
Sample Depth: 0.5

Lab Sample ID: 890-8385-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/25 16:39	07/08/25 18:26	1
o-Xylene	**0.00209**		0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/25 16:39	07/08/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*07/08/25 16:39*	*07/08/25 18:26*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*07/08/25 16:39*	*07/08/25 18:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/25 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/08/25 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 17:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 17:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*07/08/25 08:04*	*07/08/25 17:20*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 17:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.7**		10.1		mg/Kg			07/08/25 16:15	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8385-1	HA - 8	85	84
890-8385-1 MS	HA - 8	102	93
890-8385-1 MSD	HA - 8	93	102
LCS 880-113793/1-A	Lab Control Sample	98	103
LCSD 880-113793/2-A	Lab Control Sample Dup	96	102
MB 880-113793/5-A	Method Blank	95	93

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8385-1	HA - 8	115	136 S1+
LCS 880-113733/2-A	Lab Control Sample	73	77
LCSD 880-113733/3-A	Lab Control Sample Dup	73	79
MB 880-113733/1-A	Method Blank	125	141 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113793/5-A
Matrix: Solid
Analysis Batch: 113738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/25 16:39	07/08/25 18:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/25 16:39	07/08/25 18:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/08/25 16:39*	*07/08/25 18:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*07/08/25 16:39*	*07/08/25 18:05*	*1*

Lab Sample ID: LCS 880-113793/1-A
Matrix: Solid
Analysis Batch: 113738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113793

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09175		mg/Kg		92	70 - 130		
Toluene			0.100	0.08885		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09915		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2012		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.1014		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-113793/2-A
Matrix: Solid
Analysis Batch: 113738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113793

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09426		mg/Kg		94	70 - 130	3	35
Toluene			0.100	0.09009		mg/Kg		90	70 - 130	1	35
Ethylbenzene			0.100	0.1008		mg/Kg		101	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2038		mg/Kg		102	70 - 130	1	35
o-Xylene			0.100	0.1026		mg/Kg		103	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-8385-1 MS
Matrix: Solid
Analysis Batch: 113738

Client Sample ID: HA - 8
Prep Type: Total/NA
Prep Batch: 113793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.08924		mg/Kg		89	70 - 130		
Toluene	<0.00200	U	0.100	0.08440		mg/Kg		84	70 - 130		

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8385-1 MS
Matrix: Solid
Analysis Batch: 113738

Client Sample ID: HA - 8
Prep Type: Total/NA
Prep Batch: 113793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09283		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1865		mg/Kg		93	70 - 130
o-Xylene	0.00209		0.100	0.09262		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 890-8385-1 MSD
Matrix: Solid
Analysis Batch: 113738

Client Sample ID: HA - 8
Prep Type: Total/NA
Prep Batch: 113793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09062		mg/Kg		91	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.08609		mg/Kg		86	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09362		mg/Kg		92	70 - 130	1	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1873		mg/Kg		94	70 - 130	0	35
o-Xylene	0.00209		0.100	0.09344		mg/Kg		91	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 880-113733/1-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*

Lab Sample ID: LCS 880-113733/2-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1236		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1264		mg/Kg		126	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-113733/2-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113733

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: LCSD 880-113733/3-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113733

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1204		mg/Kg		120	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1279		mg/Kg		128	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	79		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113748/1-A
Matrix: Solid
Analysis Batch: 113762

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/08/25 13:47	1

Lab Sample ID: LCS 880-113748/2-A
Matrix: Solid
Analysis Batch: 113762

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-113748/3-A
Matrix: Solid
Analysis Batch: 113762

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	250.6		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 113738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8385-1	HA - 8	Total/NA	Solid	8021B	113793
MB 880-113793/5-A	Method Blank	Total/NA	Solid	8021B	113793
LCS 880-113793/1-A	Lab Control Sample	Total/NA	Solid	8021B	113793
LCSD 880-113793/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113793
890-8385-1 MS	HA - 8	Total/NA	Solid	8021B	113793
890-8385-1 MSD	HA - 8	Total/NA	Solid	8021B	113793

Prep Batch: 113793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8385-1	HA - 8	Total/NA	Solid	5035	
MB 880-113793/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113793/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113793/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8385-1 MS	HA - 8	Total/NA	Solid	5035	
890-8385-1 MSD	HA - 8	Total/NA	Solid	5035	

Analysis Batch: 113814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8385-1	HA - 8	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8385-1	HA - 8	Total/NA	Solid	8015NM Prep	
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8385-1	HA - 8	Total/NA	Solid	8015B NM	113733
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015B NM	113733
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113733
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113733

Analysis Batch: 113892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8385-1	HA - 8	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8385-1	HA - 8	Soluble	Solid	DI Leach	
MB 880-113748/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113748/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113748/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 113762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8385-1	HA - 8	Soluble	Solid	300.0	113748

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 113762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113748/1-A	Method Blank	Soluble	Solid	300.0	113748
LCS 880-113748/2-A	Lab Control Sample	Soluble	Solid	300.0	113748
LCSD 880-113748/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113748

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

Client Sample ID: HA - 8

Date Collected: 07/02/25 14:15
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8385-1

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	113793	07/08/25 16:39	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113738	07/08/25 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113814	07/08/25 18:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			113892	07/08/25 17:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 17:20	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113748	07/08/25 09:51	SI	EET MID
Soluble	Analysis	300.0		1			113762	07/08/25 16:15	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8385-1
Project/Site: Maljamar Gas Plant
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8385-1	HA - 8	Solid	07/02/25 14:15	07/07/25 08:30	0.5

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	**Turn Around**	
Project Number:	639	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0
Total Containers:		Corrected Temperature:	-0.2

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH - NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-8	S	7.2.25	14:15	0.5	Grab/	1	X	X	X			Incident Number
HA-8	S	7.2.25	14:20	4	Grab/	1	X	X	X	X		nAPP2516756421

890-8385 Chain of Custody

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		7/7 830	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8385-1
SDG Number: Lea County, NM

Login Number: 8385
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8385-1
SDG Number: Lea County, NM

Login Number: 8385
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 07/08/25 09:06 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/10/2025 11:46:01 AM

JOB DESCRIPTION

Maljamar Gas Plant
Lea County, NM

JOB NUMBER

890-8389-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

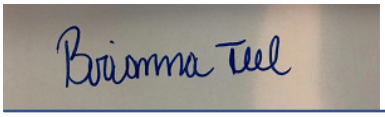
Eurofins Carlsbad

Job Notes

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

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

Authorization



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

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Laboratory Job ID: 890-8389-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8389-1
Project: Maljamar Gas Plant

Job ID: 890-8389-1 Eurofins Carlsbad

Job Narrative
890-8389-1

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

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

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

Receipt
The samples were received on 7/7/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.2°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: HA-9 (890-8389-1), HA-10 (890-8389-3), (LCSD 880-113746/2-A) and (890-8383-A-1-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-113733 and analytical batch 880-113767 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-9 (890-8389-1), HA-10 (890-8389-3), HA-11 (890-8389-5) and (890-8383-A-1-F). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-113767 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-113767/32).

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-8389-1
Matrix: Solid
Date Collected: 07/03/25 13:25
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 18:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 18:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 18:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/08/25 09:43	07/08/25 18:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 18:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/08/25 09:43	07/08/25 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 18:03*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*07/08/25 09:43*	*07/08/25 18:03*	*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			07/08/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/08/25 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/08/25 08:04	07/08/25 17:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/25 08:04	07/08/25 17:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/25 08:04	07/08/25 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*07/08/25 08:04*	*07/08/25 17:50*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 17:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		9.94		mg/Kg			07/08/25 16:26	1

Client Sample ID: HA-10

Lab Sample ID: 890-8389-3
Matrix: Solid
Date Collected: 07/03/25 13:35
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 18:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 18:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 18:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/08/25 09:43	07/08/25 18:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 18:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/08/25 09:43	07/08/25 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 18:23*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Client Sample ID: HA-10

Lab Sample ID: 890-8389-3
Matrix: Solid
Date Collected: 07/03/25 13:35
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*07/08/25 09:43*	*07/08/25 18:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/25 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/08/25 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 18:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 18:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*07/08/25 08:04*	*07/08/25 18:05*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 18:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.1**		10.1		mg/Kg			07/08/25 16:32	1

Client Sample ID: HA-11

Lab Sample ID: 890-8389-5
Matrix: Solid
Date Collected: 07/03/25 13:45
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 18:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 18:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 18:44	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/08/25 09:43	07/08/25 18:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 18:44	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/08/25 09:43	07/08/25 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*07/08/25 09:43*	*07/08/25 18:44*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/08/25 09:43*	*07/08/25 18:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/08/25 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/08/25 18:19	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-8389-5
Matrix: Solid
Date Collected: 07/03/25 13:45
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 18:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 18:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*07/08/25 08:04*	*07/08/25 18:19*	*1*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 18:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**78.8**		10.1		mg/Kg			07/08/25 16:37	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8389-1	HA-9	145 S1+	80
890-8389-3	HA-10	147 S1+	78
890-8389-5	HA-11	130	86
LCS 880-113746/1-A	Lab Control Sample	128	88
LCSD 880-113746/2-A	Lab Control Sample Dup	134 S1+	90
MB 880-113746/5-A	Method Blank	127	81

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8389-1	HA-9	118	134 S1+
890-8389-3	HA-10	129	147 S1+
890-8389-5	HA-11	130	147 S1+
LCS 880-113733/2-A	Lab Control Sample	73	77
LCSD 880-113733/3-A	Lab Control Sample Dup	73	79
MB 880-113733/1-A	Method Blank	125	141 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113746/5-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/25 09:43	07/08/25 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*07/08/25 09:43*	*07/08/25 11:42*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/08/25 09:43*	*07/08/25 11:42*	*1*

Lab Sample ID: LCS 880-113746/1-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113746

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1099		mg/Kg		110	70 - 130		
Toluene			0.100	0.1021		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1112		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene			0.200	0.2185		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1167		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-113746/2-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113746

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1113		mg/Kg		111	70 - 130	1	35
Toluene			0.100	0.1037		mg/Kg		104	70 - 130	2	35
Ethylbenzene			0.100	0.1136		mg/Kg		114	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2238		mg/Kg		112	70 - 130	2	35
o-Xylene			0.100	0.1196		mg/Kg		120	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-113733/1-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*

Lab Sample ID: LCS 880-113733/2-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113733

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1236		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1264		mg/Kg		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: LCSD 880-113733/3-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113733

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1204		mg/Kg		120	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1279		mg/Kg		128	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113748/1-A
Matrix: Solid
Analysis Batch: 113762

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/08/25 13:47	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-113748/2-A
Matrix: Solid
Analysis Batch: 113762

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-113748/3-A
Matrix: Solid
Analysis Batch: 113762

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.6		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 113737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8389-1	HA-9	Total/NA	Solid	8021B	113746
890-8389-3	HA-10	Total/NA	Solid	8021B	113746
890-8389-5	HA-11	Total/NA	Solid	8021B	113746
MB 880-113746/5-A	Method Blank	Total/NA	Solid	8021B	113746
LCS 880-113746/1-A	Lab Control Sample	Total/NA	Solid	8021B	113746
LCSD 880-113746/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113746

Prep Batch: 113746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8389-1	HA-9	Total/NA	Solid	5035	
890-8389-3	HA-10	Total/NA	Solid	5035	
890-8389-5	HA-11	Total/NA	Solid	5035	
MB 880-113746/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113746/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113746/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 113820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8389-1	HA-9	Total/NA	Solid	Total BTEX	
890-8389-3	HA-10	Total/NA	Solid	Total BTEX	
890-8389-5	HA-11	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8389-1	HA-9	Total/NA	Solid	8015NM Prep	
890-8389-3	HA-10	Total/NA	Solid	8015NM Prep	
890-8389-5	HA-11	Total/NA	Solid	8015NM Prep	
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8389-1	HA-9	Total/NA	Solid	8015B NM	113733
890-8389-3	HA-10	Total/NA	Solid	8015B NM	113733
890-8389-5	HA-11	Total/NA	Solid	8015B NM	113733
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015B NM	113733
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113733
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113733

Analysis Batch: 113894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8389-1	HA-9	Total/NA	Solid	8015 NM	
890-8389-3	HA-10	Total/NA	Solid	8015 NM	
890-8389-5	HA-11	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 113748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8389-1	HA-9	Soluble	Solid	DI Leach	
890-8389-3	HA-10	Soluble	Solid	DI Leach	
890-8389-5	HA-11	Soluble	Solid	DI Leach	
MB 880-113748/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113748/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113748/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 113762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8389-1	HA-9	Soluble	Solid	300.0	113748
890-8389-3	HA-10	Soluble	Solid	300.0	113748
890-8389-5	HA-11	Soluble	Solid	300.0	113748
MB 880-113748/1-A	Method Blank	Soluble	Solid	300.0	113748
LCS 880-113748/2-A	Lab Control Sample	Soluble	Solid	300.0	113748
LCSD 880-113748/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113748

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Client Sample ID: HA-9

Date Collected: 07/03/25 13:25
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8389-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113820	07/08/25 18:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			113894	07/08/25 17:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 17:50	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113748	07/08/25 09:51	SI	EET MID
Soluble	Analysis	300.0		1			113762	07/08/25 16:26	CS	EET MID

Client Sample ID: HA-10

Date Collected: 07/03/25 13:35
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8389-3
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	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113820	07/08/25 18:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			113894	07/08/25 18:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 18:05	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113748	07/08/25 09:51	SI	EET MID
Soluble	Analysis	300.0		1			113762	07/08/25 16:32	CS	EET MID

Client Sample ID: HA-11

Date Collected: 07/03/25 13:45
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8389-5
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			5.04 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113820	07/08/25 18:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			113894	07/08/25 18:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 18:19	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113748	07/08/25 09:51	SI	EET MID
Soluble	Analysis	300.0		1			113762	07/08/25 16:37	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8389-1
Project/Site: Maljamar Gas Plant
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8389-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8389-1	HA-9	Solid	07/03/25 13:25	07/07/25 08:30	0.5
890-8389-3	HA-10	Solid	07/03/25 13:35	07/07/25 08:30	0.5
890-8389-5	HA-11	Solid	07/03/25 13:45	07/07/25 08:30	0.5

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Chain of Custody

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

890-8389 Chain of Custody

www.xenco.com

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	☑ Routine ☐ Rush
Project Number:	639	Due Date:	Routine TAT
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM#07
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.0
Total Containers:		Corrected Temperature:	-0.2

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-9	S	7.3.25	13:25	0.5	Grab/	1	X	X	X		
HA-9	S	7.3.25	13:30	2	Grab/	1	X	X	X	X	
HA-10	S	7.3.25	13:35	0.5	Grab/	1	X	X	X		
HA-10	S	7.3.25	13:40	2	Grab/	1	X	X	X	X	
HA-11	S	7.3.25	13:45	0.5	Grab/	1	X	X	X		
HA-11	S	7.3.25	13:50	2	Grab/	1	X	X	X	X	

Sample Comments

Incident Number
nAPP2516756421

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		8:30 7/7	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8389-1
SDG Number: Lea County, NM

Login Number: 8389
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8389-1
SDG Number: Lea County, NM

Login Number: 8389
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 07/08/25 09:06 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/10/2025 11:44:20 AM

JOB DESCRIPTION

Maljamar Gas Plant
Lea County, NM

JOB NUMBER

890-8384-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

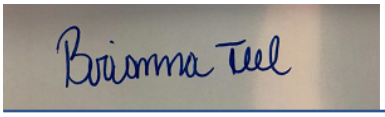
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
7/10/2025 11:44:20 AM

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

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8384-1
Project: Maljamar Gas Plant

Job ID: 890-8384-1 Eurofins Carlsbad

Job Narrative
890-8384-1

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

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

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

Receipt
The samples were received on 7/7/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.2°C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: HA-14 (890-8384-3), HA-15 (890-8384-4), HA-16 (890-8384-5), HA-17 (890-8384-6), HA-19 (890-8384-12), (LCSD 880-113746/2-A) and (890-8383-A-1-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-113733 and analytical batch 880-113767 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA-12 (890-8384-1), HA-13 (890-8384-2), HA-14 (890-8384-3), HA-15 (890-8384-4), HA-16 (890-8384-5), HA-17 (890-8384-6), HA-18 (890-8384-9), HA-19 (890-8384-12) and (890-8383-A-1-F). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-113767 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-113767/32).

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-8384-1
Matrix: Solid
Date Collected: 07/03/25 13:55
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 14:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 14:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 14:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/25 09:43	07/08/25 14:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 14:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/25 09:43	07/08/25 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*07/08/25 09:43*	*07/08/25 14:06*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/08/25 09:43*	*07/08/25 14:06*	*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			07/08/25 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/08/25 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*07/08/25 08:04*	*07/08/25 13:47*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 13:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.5**		10.1		mg/Kg			07/08/25 14:53	1

Client Sample ID: HA-13

Lab Sample ID: 890-8384-2
Matrix: Solid
Date Collected: 07/03/25 14:00
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 14:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 14:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 14:26	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/08/25 09:43	07/08/25 14:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 14:26	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/08/25 09:43	07/08/25 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/08/25 09:43*	*07/08/25 14:26*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-13

Lab Sample ID: 890-8384-2
Matrix: Solid
Date Collected: 07/03/25 14:00
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*07/08/25 09:43*	*07/08/25 14:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/25 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			07/08/25 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/08/25 08:04	07/08/25 14:02	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		07/08/25 08:04	07/08/25 14:02	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/08/25 08:04	07/08/25 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*07/08/25 08:04*	*07/08/25 14:02*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.4**		9.96		mg/Kg			07/08/25 15:00	1

Client Sample ID: HA-14

Lab Sample ID: 890-8384-3
Matrix: Solid
Date Collected: 07/03/25 14:05
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 14:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 14:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 14:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/08/25 09:43	07/08/25 14:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 14:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/08/25 09:43	07/08/25 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 14:47*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/08/25 09:43*	*07/08/25 14:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/25 14:47	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			07/08/25 14:17	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-14

Lab Sample ID: 890-8384-3
Matrix: Solid
Date Collected: 07/03/25 14:05
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/08/25 08:04	07/08/25 14:17	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/08/25 08:04	07/08/25 14:17	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/08/25 08:04	07/08/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*07/08/25 08:04*	*07/08/25 14:17*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 14:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.9**		10.1		mg/Kg			07/08/25 15:07	1

Client Sample ID: HA-15

Lab Sample ID: 890-8384-4
Matrix: Solid
Date Collected: 07/03/25 14:10
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 15:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 15:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 15:07	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/08/25 09:43	07/08/25 15:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 15:07	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/08/25 09:43	07/08/25 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 15:07*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*07/08/25 09:43*	*07/08/25 15:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/08/25 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/08/25 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 15:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*07/08/25 08:04*	*07/08/25 15:18*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 15:18*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-15

Lab Sample ID: 890-8384-4
Matrix: Solid
Date Collected: 07/03/25 14:10
Date Received: 07/07/25 08:30
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.7		9.96		mg/Kg			07/08/25 15:14	1

Client Sample ID: HA-16

Lab Sample ID: 890-8384-5
Matrix: Solid
Date Collected: 07/03/25 14:15
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 16:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 16:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 16:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/25 09:43	07/08/25 16:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/25 09:43	07/08/25 16:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/25 09:43	07/08/25 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 16:41*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/08/25 09:43*	*07/08/25 16:41*	*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			07/08/25 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/08/25 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 16:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 16:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*07/08/25 08:04*	*07/08/25 16:23*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 16:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		10.1		mg/Kg			07/08/25 15:21	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-17

Lab Sample ID: 890-8384-6
Matrix: Solid
Date Collected: 07/03/25 14:20
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 17:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 17:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 17:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/08/25 09:43	07/08/25 17:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/25 09:43	07/08/25 17:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/08/25 09:43	07/08/25 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 17:02*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*07/08/25 09:43*	*07/08/25 17:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/25 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/08/25 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/08/25 08:04	07/08/25 16:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/08/25 08:04	07/08/25 16:37	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/08/25 08:04	07/08/25 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*07/08/25 08:04*	*07/08/25 16:37*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 16:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		9.96		mg/Kg			07/08/25 15:29	1

Client Sample ID: HA-18

Lab Sample ID: 890-8384-9
Matrix: Solid
Date Collected: 07/03/25 14:35
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 17:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 17:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 17:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/08/25 09:43	07/08/25 17:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/08/25 09:43	07/08/25 17:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/08/25 09:43	07/08/25 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*07/08/25 09:43*	*07/08/25 17:22*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-18

Lab Sample ID: 890-8384-9
Matrix: Solid

Date Collected: 07/03/25 14:35
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/08/25 09:43*	*07/08/25 17:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/25 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/08/25 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 16:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 16:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 08:04	07/08/25 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*07/08/25 08:04*	*07/08/25 16:51*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 16:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		10.1		mg/Kg			07/08/25 16:03	1

Client Sample ID: HA-19

Lab Sample ID: 890-8384-12
Matrix: Solid

Date Collected: 07/03/25 14:50
Date Received: 07/07/25 08:30
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 17:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 17:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 17:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/08/25 09:43	07/08/25 17:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/25 09:43	07/08/25 17:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/08/25 09:43	07/08/25 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*07/08/25 09:43*	*07/08/25 17:43*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*07/08/25 09:43*	*07/08/25 17:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/25 17:43	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			07/08/25 17:06	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-19

Date Collected: 07/03/25 14:50
Date Received: 07/07/25 08:30
Sample Depth: 0.5

Lab Sample ID: 890-8384-12

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		07/08/25 08:04	07/08/25 17:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/25 08:04	07/08/25 17:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/25 08:04	07/08/25 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*07/08/25 08:04*	*07/08/25 17:06*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*07/08/25 08:04*	*07/08/25 17:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		9.98		mg/Kg			07/08/25 16:09	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8384-1	HA-12	128	85
890-8384-2	HA-13	106	89
890-8384-3	HA-14	136 S1+	81
890-8384-4	HA-15	142 S1+	79
890-8384-5	HA-16	145 S1+	86
890-8384-6	HA-17	136 S1+	83
890-8384-9	HA-18	130	85
890-8384-12	HA-19	138 S1+	83
LCS 880-113746/1-A	Lab Control Sample	128	88
LCSD 880-113746/2-A	Lab Control Sample Dup	134 S1+	90
MB 880-113746/5-A	Method Blank	127	81

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8384-1	HA-12	117	137 S1+
890-8384-2	HA-13	119	138 S1+
890-8384-3	HA-14	123	140 S1+
890-8384-4	HA-15	121	140 S1+
890-8384-5	HA-16	121	143 S1+
890-8384-6	HA-17	119	142 S1+
890-8384-9	HA-18	122	141 S1+
890-8384-12	HA-19	119	137 S1+
LCS 880-113733/2-A	Lab Control Sample	73	77
LCSD 880-113733/3-A	Lab Control Sample Dup	73	79
MB 880-113733/1-A	Method Blank	125	141 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113746/5-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 09:43	07/08/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/25 09:43	07/08/25 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*07/08/25 09:43*	*07/08/25 11:42*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*07/08/25 09:43*	*07/08/25 11:42*	*1*

Lab Sample ID: LCS 880-113746/1-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113746

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1099		mg/Kg		110	70 - 130		
Toluene			0.100	0.1021		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1112		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene			0.200	0.2185		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1167		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: LCSD 880-113746/2-A
Matrix: Solid
Analysis Batch: 113737

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113746

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1113		mg/Kg		111	70 - 130	1	35
Toluene			0.100	0.1037		mg/Kg		104	70 - 130	2	35
Ethylbenzene			0.100	0.1136		mg/Kg		114	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2238		mg/Kg		112	70 - 130	2	35
o-Xylene			0.100	0.1196		mg/Kg		120	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-113733/1-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*07/08/25 07:59*	*07/08/25 09:13*	*1*

Lab Sample ID: LCS 880-113733/2-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113733

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1236		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1264		mg/Kg		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: LCSD 880-113733/3-A
Matrix: Solid
Analysis Batch: 113767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113733

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1204		mg/Kg		120	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1279		mg/Kg		128	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113747/1-A
Matrix: Solid
Analysis Batch: 113757

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/08/25 11:52	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-113747/2-A
Matrix: Solid
Analysis Batch: 113757

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	235.9		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-113747/3-A
Matrix: Solid
Analysis Batch: 113757

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	239.6		mg/Kg		96	90 - 110	2	20

Lab Sample ID: MB 880-113748/1-A
Matrix: Solid
Analysis Batch: 113762

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			07/08/25 13:47	1

Lab Sample ID: LCS 880-113748/2-A
Matrix: Solid
Analysis Batch: 113762

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-113748/3-A
Matrix: Solid
Analysis Batch: 113762

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	250.6		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 113737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-1	HA-12	Total/NA	Solid	8021B	113746
890-8384-2	HA-13	Total/NA	Solid	8021B	113746
890-8384-3	HA-14	Total/NA	Solid	8021B	113746
890-8384-4	HA-15	Total/NA	Solid	8021B	113746
890-8384-5	HA-16	Total/NA	Solid	8021B	113746
890-8384-6	HA-17	Total/NA	Solid	8021B	113746
890-8384-9	HA-18	Total/NA	Solid	8021B	113746
890-8384-12	HA-19	Total/NA	Solid	8021B	113746
MB 880-113746/5-A	Method Blank	Total/NA	Solid	8021B	113746
LCS 880-113746/1-A	Lab Control Sample	Total/NA	Solid	8021B	113746
LCSD 880-113746/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113746

Prep Batch: 113746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-1	HA-12	Total/NA	Solid	5035	
890-8384-2	HA-13	Total/NA	Solid	5035	
890-8384-3	HA-14	Total/NA	Solid	5035	
890-8384-4	HA-15	Total/NA	Solid	5035	
890-8384-5	HA-16	Total/NA	Solid	5035	
890-8384-6	HA-17	Total/NA	Solid	5035	
890-8384-9	HA-18	Total/NA	Solid	5035	
890-8384-12	HA-19	Total/NA	Solid	5035	
MB 880-113746/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113746/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113746/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 113782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-1	HA-12	Total/NA	Solid	Total BTEX	
890-8384-2	HA-13	Total/NA	Solid	Total BTEX	
890-8384-3	HA-14	Total/NA	Solid	Total BTEX	
890-8384-4	HA-15	Total/NA	Solid	Total BTEX	
890-8384-5	HA-16	Total/NA	Solid	Total BTEX	
890-8384-6	HA-17	Total/NA	Solid	Total BTEX	
890-8384-9	HA-18	Total/NA	Solid	Total BTEX	
890-8384-12	HA-19	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-1	HA-12	Total/NA	Solid	8015NM Prep	
890-8384-2	HA-13	Total/NA	Solid	8015NM Prep	
890-8384-3	HA-14	Total/NA	Solid	8015NM Prep	
890-8384-4	HA-15	Total/NA	Solid	8015NM Prep	
890-8384-5	HA-16	Total/NA	Solid	8015NM Prep	
890-8384-6	HA-17	Total/NA	Solid	8015NM Prep	
890-8384-9	HA-18	Total/NA	Solid	8015NM Prep	
890-8384-12	HA-19	Total/NA	Solid	8015NM Prep	
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 113733 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-1	HA-12	Total/NA	Solid	8015B NM	113733
890-8384-2	HA-13	Total/NA	Solid	8015B NM	113733
890-8384-3	HA-14	Total/NA	Solid	8015B NM	113733
890-8384-4	HA-15	Total/NA	Solid	8015B NM	113733
890-8384-5	HA-16	Total/NA	Solid	8015B NM	113733
890-8384-6	HA-17	Total/NA	Solid	8015B NM	113733
890-8384-9	HA-18	Total/NA	Solid	8015B NM	113733
890-8384-12	HA-19	Total/NA	Solid	8015B NM	113733
MB 880-113733/1-A	Method Blank	Total/NA	Solid	8015B NM	113733
LCS 880-113733/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113733
LCSD 880-113733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113733

Analysis Batch: 113891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-1	HA-12	Total/NA	Solid	8015 NM	
890-8384-2	HA-13	Total/NA	Solid	8015 NM	
890-8384-3	HA-14	Total/NA	Solid	8015 NM	
890-8384-4	HA-15	Total/NA	Solid	8015 NM	
890-8384-5	HA-16	Total/NA	Solid	8015 NM	
890-8384-6	HA-17	Total/NA	Solid	8015 NM	
890-8384-9	HA-18	Total/NA	Solid	8015 NM	
890-8384-12	HA-19	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 113747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-1	HA-12	Soluble	Solid	DI Leach	
890-8384-2	HA-13	Soluble	Solid	DI Leach	
890-8384-3	HA-14	Soluble	Solid	DI Leach	
890-8384-4	HA-15	Soluble	Solid	DI Leach	
890-8384-5	HA-16	Soluble	Solid	DI Leach	
890-8384-6	HA-17	Soluble	Solid	DI Leach	
MB 880-113747/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113747/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113747/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 113748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-9	HA-18	Soluble	Solid	DI Leach	
890-8384-12	HA-19	Soluble	Solid	DI Leach	
MB 880-113748/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113748/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113748/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 113757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-1	HA-12	Soluble	Solid	300.0	113747
890-8384-2	HA-13	Soluble	Solid	300.0	113747
890-8384-3	HA-14	Soluble	Solid	300.0	113747
890-8384-4	HA-15	Soluble	Solid	300.0	113747
890-8384-5	HA-16	Soluble	Solid	300.0	113747
890-8384-6	HA-17	Soluble	Solid	300.0	113747
MB 880-113747/1-A	Method Blank	Soluble	Solid	300.0	113747
LCS 880-113747/2-A	Lab Control Sample	Soluble	Solid	300.0	113747
LCSD 880-113747/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113747

Analysis Batch: 113762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8384-9	HA-18	Soluble	Solid	300.0	113748
890-8384-12	HA-19	Soluble	Solid	300.0	113748
MB 880-113748/1-A	Method Blank	Soluble	Solid	300.0	113748
LCS 880-113748/2-A	Lab Control Sample	Soluble	Solid	300.0	113748
LCSD 880-113748/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113748

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-12

Date Collected: 07/03/25 13:55
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113782	07/08/25 14:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			113891	07/08/25 13:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 13:47	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 14:53	CS	EET MID

Client Sample ID: HA-13

Date Collected: 07/03/25 14:00
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113782	07/08/25 14:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			113891	07/08/25 14:02	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 14:02	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 15:00	CS	EET MID

Client Sample ID: HA-14

Date Collected: 07/03/25 14:05
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-3

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	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113782	07/08/25 14:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			113891	07/08/25 14:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 14:17	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 15:07	CS	EET MID

Client Sample ID: HA-15

Date Collected: 07/03/25 14:10
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-4

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			5.04 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 15:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113782	07/08/25 15:07	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-15

Date Collected: 07/03/25 14:10
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-4
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			113891	07/08/25 15:18	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 15:18	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 15:14	CS	EET MID

Client Sample ID: HA-16

Date Collected: 07/03/25 14:15
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-5
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	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113782	07/08/25 16:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			113891	07/08/25 16:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 16:23	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 15:21	CS	EET MID

Client Sample ID: HA-17

Date Collected: 07/03/25 14:20
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113782	07/08/25 17:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			113891	07/08/25 16:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 16:37	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113747	07/08/25 09:49	SI	EET MID
Soluble	Analysis	300.0		1			113757	07/08/25 15:29	CS	EET MID

Client Sample ID: HA-18

Date Collected: 07/03/25 14:35
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113782	07/08/25 17:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			113891	07/08/25 16:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 16:51	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Client Sample ID: HA-18

Date Collected: 07/03/25 14:35
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	113748	07/08/25 09:51	SI	EET MID
Soluble	Analysis	300.0		1			113762	07/08/25 16:03	CS	EET MID

Client Sample ID: HA-19

Date Collected: 07/03/25 14:50
Date Received: 07/07/25 08:30

Lab Sample ID: 890-8384-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	113746	07/08/25 09:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113737	07/08/25 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113782	07/08/25 17:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			113891	07/08/25 17:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113733	07/08/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113767	07/08/25 17:06	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113748	07/08/25 09:51	SI	EET MID
Soluble	Analysis	300.0		1			113762	07/08/25 16:09	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8384-1
Project/Site: Maljamar Gas Plant
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8384-1	HA-12	Solid	07/03/25 13:55	07/07/25 08:30	0.5
890-8384-2	HA-13	Solid	07/03/25 14:00	07/07/25 08:30	0.5
890-8384-3	HA-14	Solid	07/03/25 14:05	07/07/25 08:30	0.5
890-8384-4	HA-15	Solid	07/03/25 14:10	07/07/25 08:30	0.5
890-8384-5	HA-16	Solid	07/03/25 14:15	07/07/25 08:30	0.5
890-8384-6	HA-17	Solid	07/03/25 14:20	07/07/25 08:30	0.5
890-8384-9	HA-18	Solid	07/03/25 14:35	07/07/25 08:30	0.5
890-8384-12	HA-19	Solid	07/03/25 14:50	07/07/25 08:30	0.5

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Chain of Custody

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

890-8384 Chain of Custody

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	
Project Number:	639	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice: Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-0.0
Total Containers:		Corrected Temperature:	-0.2

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-12	S	7.3.25	13:55	0.5	Grab/	1	X	X	X		
HA-13	S	7.3.25	14:00	0.5	Grab/	1	X	X	X		
HA-14	S	7.3.25	14:05	0.5	Grab/	1	X	X	X		
HA-15	S	7.3.25	14:10	0.5	Grab/	1	X	X	X		
HA-16	S	7.3.25	14:15	0.5	Grab/	1	X	X	X		
HA-17	S	7.3.25	14:20	0.5	Grab/	1	X	X	X		
HA-17	S	7.3.25	14:25	2	Grab/	1	X	X	X	X	
HA-17	S	7.3.25	14:30	4	Grab/	1	X	X	X	X	
HA-18	S	7.3.25	14:35	0.5	Grab/	1	X	X	X		

ANALYSIS REQUEST

Preservative Codes

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

Sample Comments

Incident Number
nAPP2516756421

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		8:31 7/7	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

890-8384 Chain of Custody

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	
Project Number:	639	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-0.0
Total Containers:		Corrected Temperature:	-0.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; ~~H_3PO_4: HP~~; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; ~~Zn Acetate+NaOH: Zn~~; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-12	S	7.3.25	13:55	0.5	Grab/	1	X	X	X			Incident Number
HA-13	S	7.3.25	14:00	0.5	Grab/	1	X	X	X			nAPP2516756421
HA-14	S	7.3.25	14:05	0.5	Grab/	1	X	X	X			
HA-15	S	7.3.25	14:10	0.5	Grab/	1	X	X	X			
HA-16	S	7.3.25	14:15	0.5	Grab/	1	X	X	X			
HA-17	S	7.3.25	14:20	0.5	Grab/	1	X	X	X			
HA-17	S	7.3.25	14:25	2	Grab/	1	X	X	X	X		
HA-17	S	7.3.25	14:30	4	Grab/	1	X	X	X	X		
HA-18	S	7.3.25	14:35	0.5	Grab/	1	X	X	X			

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		8:31 7/7	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	**Turn Around**	
Project Number:	639	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TN#907
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-0.0
Total Containers:		Corrected Temperature:	-0.2

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-18	S	7.3.25	14:40	2	Grab/	1	X	X	X	X	
HA-18	S	7.3.25	14:45	4	Grab/	1	X	X	X	X	
HA-19	S	7.3.25	14:50	0.5	Grab/	1	X	X	X		
HA-19	S	7.3.25	14:55	2	Grab/	1	X	X	X	X	
HA-19	S	7.3.25	15:00	4	Grab/	1	X	X	X	X	

Sample Comments

Incident Number
nAPP2516756421

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		8:20 7/7	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8384-1
SDG Number: Lea County, NM

Login Number: 8384
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8384-1
SDG Number: Lea County, NM

Login Number: 8384
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 07/08/25 09:06 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/15/2025 12:43:43 PM

JOB DESCRIPTION

Maljamar Gas Plant
Lea County,NM

JOB NUMBER

890-8626-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

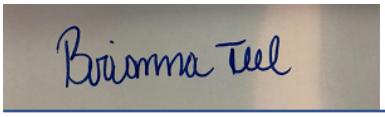
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/15/2025 12:43:43 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Laboratory Job ID: 890-8626-1
SDG: Lea County,NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8626-1
Project: Maljamar Gas Plant

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Job Narrative
890-8626-1

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 8/14/2025 3:21 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-116568/2-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 sample was outside control limits: (LCSD 880-116568/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Client Sample ID: SW-1

Date Collected: 08/14/25 13:50
Date Received: 08/14/25 15:21
Sample Depth: 0-0.25

Lab Sample ID: 890-8626-1
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		08/14/25 21:00	08/15/25 04:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 04:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 04:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/14/25 21:00	08/15/25 04:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 04:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/14/25 21:00	08/15/25 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*08/14/25 21:00*	*08/15/25 04:55*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/14/25 21:00*	*08/15/25 04:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/15/25 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/15/25 02:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 02:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 02:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/13/25 07:38*	*08/15/25 02:59*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/13/25 07:38*	*08/15/25 02:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.3**		9.94		mg/Kg			08/15/25 09:53	1

Client Sample ID: SW-2

Date Collected: 08/14/25 13:55
Date Received: 08/14/25 15:21
Sample Depth: 0-0.25

Lab Sample ID: 890-8626-2
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		08/14/25 21:00	08/15/25 05:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 05:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 05:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/25 21:00	08/15/25 05:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 05:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/25 21:00	08/15/25 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*08/14/25 21:00*	*08/15/25 05:16*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Client Sample ID: SW-2

Date Collected: 08/14/25 13:55
Date Received: 08/14/25 15:21
Sample Depth: 0-0.25

Lab Sample ID: 890-8626-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/14/25 21:00*	*08/15/25 05:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/15/25 05:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/15/25 03:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 03:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 03:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*08/13/25 07:38*	*08/15/25 03:14*	*1*
o-Terphenyl	*86*		*70 - 130*	*08/13/25 07:38*	*08/15/25 03:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.6**		9.92		mg/Kg			08/15/25 10:10	1

Client Sample ID: SW-3

Date Collected: 08/14/25 14:00
Date Received: 08/14/25 15:21
Sample Depth: 0-0.25

Lab Sample ID: 890-8626-3

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		08/14/25 21:00	08/15/25 05:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 05:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 05:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/25 21:00	08/15/25 05:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 05:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/25 21:00	08/15/25 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*08/14/25 21:00*	*08/15/25 05:36*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*08/14/25 21:00*	*08/15/25 05:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/25 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.1**		50.0		mg/Kg			08/15/25 03:30	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Client Sample ID: SW-3

Lab Sample ID: 890-8626-3
Matrix: Solid
Date Collected: 08/14/25 14:00
Date Received: 08/14/25 15:21
Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 03:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 03:30	1
Oil Range Organics (Over C28-C36)	**51.1**		50.0		mg/Kg		08/13/25 07:38	08/15/25 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*08/13/25 07:38*	*08/15/25 03:30*	*1*
o-Terphenyl	*89*		*70 - 130*	*08/13/25 07:38*	*08/15/25 03:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.1**		10.0		mg/Kg			08/15/25 10:16	1

Client Sample ID: SW-4

Lab Sample ID: 890-8626-4
Matrix: Solid
Date Collected: 08/14/25 14:05
Date Received: 08/14/25 15:21
Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 05:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 05:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 05:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/25 21:00	08/15/25 05:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 05:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/25 21:00	08/15/25 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/14/25 21:00*	*08/15/25 05:57*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/14/25 21:00*	*08/15/25 05:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/25 05:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/15/25 03:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 03:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 03:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/13/25 07:38*	*08/15/25 03:46*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/13/25 07:38*	*08/15/25 03:46*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Client Sample ID: SW-4

Lab Sample ID: 890-8626-4
Matrix: Solid
Date Collected: 08/14/25 14:05
Date Received: 08/14/25 15:21
Sample Depth: 0-0.25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		10.1		mg/Kg			08/15/25 10:22	1

Client Sample ID: SW-5

Lab Sample ID: 890-8626-5
Matrix: Solid
Date Collected: 08/14/25 14:10
Date Received: 08/14/25 15:21
Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 06:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 06:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 06:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/25 21:00	08/15/25 06:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 06:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/25 21:00	08/15/25 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*08/14/25 21:00*	*08/15/25 06:17*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/14/25 21:00*	*08/15/25 06:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/15/25 06:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/15/25 04:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 04:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 04:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*08/13/25 07:38*	*08/15/25 04:02*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/13/25 07:38*	*08/15/25 04:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.0		9.94		mg/Kg			08/15/25 10:27	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8626-1	SW-1	113	92
890-8626-2	SW-2	111	94
890-8626-3	SW-3	110	73
890-8626-4	SW-4	112	93
890-8626-5	SW-5	120	87
LCS 880-116714/1-A	Lab Control Sample	107	99
LCSD 880-116714/2-A	Lab Control Sample Dup	112	97
MB 880-116408/5-A	Method Blank	107	91
MB 880-116714/5-A	Method Blank	109	86

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8626-1	SW-1	109	91
890-8626-2	SW-2	107	86
890-8626-3	SW-3	106	89
890-8626-4	SW-4	109	90
890-8626-5	SW-5	110	88
LCS 880-116568/2-A	Lab Control Sample	130	132 S1+
LCSD 880-116568/3-A	Lab Control Sample Dup	135 S1+	136 S1+
MB 880-116568/1-A	Method Blank	92	88

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116408/5-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/25 14:22	08/14/25 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*08/12/25 14:22*	*08/14/25 11:26*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/12/25 14:22*	*08/14/25 11:26*	*1*

Lab Sample ID: MB 880-116714/5-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/25 12:53	08/14/25 22:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/14/25 12:53*	*08/14/25 22:35*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/14/25 12:53*	*08/14/25 22:35*	*1*

Lab Sample ID: LCS 880-116714/1-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09760		mg/Kg		98	70 - 130
Toluene	0.100	0.09367		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09800		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1933		mg/Kg		97	70 - 130
o-Xylene	0.100	0.07996		mg/Kg		80	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-116714/2-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116714

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09951		mg/Kg		100	70 - 130	2	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

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

Lab Sample ID: LCSD 880-116714/2-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116714

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09565		mg/Kg		96	70 - 130	2	35
Ethylbenzene			0.100	0.09969		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1976		mg/Kg		99	70 - 130	2	35
o-Xylene			0.100	0.08153		mg/Kg		82	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-116568/1-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 00:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 00:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 00:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/13/25 07:38*	*08/15/25 00:19*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/13/25 07:38*	*08/15/25 00:19*	*1*

Lab Sample ID: LCS 880-116568/2-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116568

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1011		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)			1000	964.9		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-116568/3-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116568

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1042		mg/Kg		104	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1006		mg/Kg		101	70 - 130	4	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

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

Lab Sample ID: LCSD 880-116568/3-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116568

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*135*	*S1+*	*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116729/1-A
Matrix: Solid
Analysis Batch: 116739

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			08/15/25 08:56	1

Lab Sample ID: LCS 880-116729/2-A
Matrix: Solid
Analysis Batch: 116739

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	235.1		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-116729/3-A
Matrix: Solid
Analysis Batch: 116739

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	235.1		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

GC VOA

Prep Batch: 116408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116408/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 116664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-1	SW-1	Total/NA	Solid	8021B	116714
890-8626-2	SW-2	Total/NA	Solid	8021B	116714
890-8626-3	SW-3	Total/NA	Solid	8021B	116714
890-8626-4	SW-4	Total/NA	Solid	8021B	116714
890-8626-5	SW-5	Total/NA	Solid	8021B	116714
MB 880-116408/5-A	Method Blank	Total/NA	Solid	8021B	116408
MB 880-116714/5-A	Method Blank	Total/NA	Solid	8021B	116714
LCS 880-116714/1-A	Lab Control Sample	Total/NA	Solid	8021B	116714
LCSD 880-116714/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116714

Prep Batch: 116714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-1	SW-1	Total/NA	Solid	5035	
890-8626-2	SW-2	Total/NA	Solid	5035	
890-8626-3	SW-3	Total/NA	Solid	5035	
890-8626-4	SW-4	Total/NA	Solid	5035	
890-8626-5	SW-5	Total/NA	Solid	5035	
MB 880-116714/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116714/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116714/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 116776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-1	SW-1	Total/NA	Solid	Total BTEX	
890-8626-2	SW-2	Total/NA	Solid	Total BTEX	
890-8626-3	SW-3	Total/NA	Solid	Total BTEX	
890-8626-4	SW-4	Total/NA	Solid	Total BTEX	
890-8626-5	SW-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 116568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-1	SW-1	Total/NA	Solid	8015NM Prep	
890-8626-2	SW-2	Total/NA	Solid	8015NM Prep	
890-8626-3	SW-3	Total/NA	Solid	8015NM Prep	
890-8626-4	SW-4	Total/NA	Solid	8015NM Prep	
890-8626-5	SW-5	Total/NA	Solid	8015NM Prep	
MB 880-116568/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116568/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116568/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-1	SW-1	Total/NA	Solid	8015B NM	116568
890-8626-2	SW-2	Total/NA	Solid	8015B NM	116568
890-8626-3	SW-3	Total/NA	Solid	8015B NM	116568

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

GC Semi VOA (Continued)

Analysis Batch: 116673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-4	SW-4	Total/NA	Solid	8015B NM	116568
890-8626-5	SW-5	Total/NA	Solid	8015B NM	116568
MB 880-116568/1-A	Method Blank	Total/NA	Solid	8015B NM	116568
LCS 880-116568/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116568
LCSD 880-116568/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116568

Analysis Batch: 116762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-1	SW-1	Total/NA	Solid	8015 NM	
890-8626-2	SW-2	Total/NA	Solid	8015 NM	
890-8626-3	SW-3	Total/NA	Solid	8015 NM	
890-8626-4	SW-4	Total/NA	Solid	8015 NM	
890-8626-5	SW-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-1	SW-1	Soluble	Solid	DI Leach	
890-8626-2	SW-2	Soluble	Solid	DI Leach	
890-8626-3	SW-3	Soluble	Solid	DI Leach	
890-8626-4	SW-4	Soluble	Solid	DI Leach	
890-8626-5	SW-5	Soluble	Solid	DI Leach	
MB 880-116729/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116729/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116729/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 116739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8626-1	SW-1	Soluble	Solid	300.0	116729
890-8626-2	SW-2	Soluble	Solid	300.0	116729
890-8626-3	SW-3	Soluble	Solid	300.0	116729
890-8626-4	SW-4	Soluble	Solid	300.0	116729
890-8626-5	SW-5	Soluble	Solid	300.0	116729
MB 880-116729/1-A	Method Blank	Soluble	Solid	300.0	116729
LCS 880-116729/2-A	Lab Control Sample	Soluble	Solid	300.0	116729
LCSD 880-116729/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116729

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Client Sample ID: SW-1

Date Collected: 08/14/25 13:50
Date Received: 08/14/25 15:21

Lab Sample ID: 890-8626-1
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	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 04:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116776	08/15/25 04:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			116762	08/15/25 02:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 02:59	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 09:53	CS	EET MID

Client Sample ID: SW-2

Date Collected: 08/14/25 13:55
Date Received: 08/14/25 15:21

Lab Sample ID: 890-8626-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 05:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116776	08/15/25 05:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			116762	08/15/25 03:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 03:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 10:10	CS	EET MID

Client Sample ID: SW-3

Date Collected: 08/14/25 14:00
Date Received: 08/14/25 15:21

Lab Sample ID: 890-8626-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116776	08/15/25 05:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			116762	08/15/25 03:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 03:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 10:16	CS	EET MID

Client Sample ID: SW-4

Date Collected: 08/14/25 14:05
Date Received: 08/14/25 15:21

Lab Sample ID: 890-8626-4
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	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116776	08/15/25 05:57	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Client Sample ID: SW-4

Date Collected: 08/14/25 14:05
Date Received: 08/14/25 15:21

Lab Sample ID: 890-8626-4
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			116762	08/15/25 03:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 03:46	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 10:22	CS	EET MID

Client Sample ID: SW-5

Date Collected: 08/14/25 14:10
Date Received: 08/14/25 15:21

Lab Sample ID: 890-8626-5
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			5.00 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116776	08/15/25 06:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			116762	08/15/25 04:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 04:02	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 10:27	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8626-1
Project/Site: Maljamar Gas Plant
SDG: Lea County,NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1
SDG: Lea County,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8626-1	SW-1	Solid	08/14/25 13:50	08/14/25 15:21	0-0.25
890-8626-2	SW-2	Solid	08/14/25 13:55	08/14/25 15:21	0-0.25
890-8626-3	SW-3	Solid	08/14/25 14:00	08/14/25 15:21	0-0.25
890-8626-4	SW-4	Solid	08/14/25 14:05	08/14/25 15:21	0-0.25
890-8626-5	SW-5	Solid	08/14/25 14:10	08/14/25 15:21	0-0.25

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Chain of Custody

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

Wor 890-8626 Chain of Custody

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	☐ Routine ☑ Rush
Project Number:	639	Due Date:	24hr Rush
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Santiago Giron		
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM1087
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	0.2

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH - NM	Chloride-NM	BTEX NM	Hold	24 Hr Rush
SW-1	S	8.14.25	13:50	0-0.25	Comp	1	X	X	X		X
SW-2	S	8.14.25	13:55	0-0.25	Comp	1	X	X	X		X
SW-3	S	8.14.25	14:00	0-0.25	Comp	1	X	X	X		X
SW-4	S	8.14.25	14:05	0-0.25	Comp	1	X	X	X		X
SW-5	S	8.14.25	14:10	0-0.25	Comp	1	X	X	X		X

Sample Comments

Incident Number
nAPP2516756421

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		3:21 8/14	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

890-8626 Chain of Custody

www.xenco.com Page 1 of 1

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	
Project Number:	639	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TM#1007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4	
Total Containers:		Corrected Temperature:	0.2	

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
SW-1	S	8.14.25	13:50	0-0.25	Comp	1	X	X	X		X	Incident Number
SW-2	S	8.14.25	13:55	0-0.25	Comp	1	X	X	X		X	nAPP2516756421
SW-3	S	8.14.25	14:00	0-0.25	Comp	1	X	X	X		X	
SW-4	S	8.14.25	14:05	0-0.25	Comp	1	X	X	X		X	
SW-5	S	8.14.25	14:10	0-0.25	Comp	1	X	X	X		X	

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		3:21 8/14	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8626-1
SDG Number: Lea County,NM

Login Number: 8626
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8626-1
SDG Number: Lea County,NM

Login Number: 8626
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 08/14/25 09:52 PM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/15/2025 12:43:43 PM

JOB DESCRIPTION

Maljamar Gas Plant
Lea County,NM

JOB NUMBER

890-8627-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

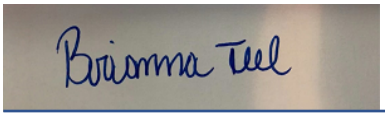
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/15/2025 12:43:43 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Laboratory Job ID: 890-8627-1
SDG: Lea County,NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8627-1
Project: Maljamar Gas Plant

Job ID: 890-8627-1 Eurofins Carlsbad

Job Narrative
890-8627-1

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 8/14/2025 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-2 (890-8627-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-116568/2-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 sample was outside control limits: (LCSD 880-116568/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-1

Date Collected: 08/14/25 13:00
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-1
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		08/14/25 21:00	08/15/25 00:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 00:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 00:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/25 21:00	08/15/25 00:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 00:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/25 21:00	08/15/25 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*08/14/25 21:00*	*08/15/25 00:18*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/14/25 21:00*	*08/15/25 00:18*	*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			08/15/25 00:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1660**		50.0		mg/Kg			08/15/25 04:35	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		08/13/25 07:38	08/15/25 04:35	1
Diesel Range Organics (Over C10-C28)	**197**		50.0		mg/Kg		08/13/25 07:38	08/15/25 04:35	1
Oil Range Organics (Over C28-C36)	**1460**		50.0		mg/Kg		08/13/25 07:38	08/15/25 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*08/13/25 07:38*	*08/15/25 04:35*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/13/25 07:38*	*08/15/25 04:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.9**		9.96		mg/Kg			08/15/25 10:33	1

Client Sample ID: CS-2

Date Collected: 08/14/25 13:05
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/14/25 21:00	08/15/25 00:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/25 21:00	08/15/25 00:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/25 21:00	08/15/25 00:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/14/25 21:00	08/15/25 00:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/25 21:00	08/15/25 00:38	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/14/25 21:00	08/15/25 00:38	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-2

Date Collected: 08/14/25 13:05
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-2

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*08/14/25 21:00*	*08/15/25 00:38*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/14/25 21:00*	*08/15/25 00:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/15/25 00:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**205**		49.7		mg/Kg			08/15/25 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/13/25 07:38	08/15/25 04:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/13/25 07:38	08/15/25 04:50	1
Oil Range Organics (Over C28-C36)	**205**		49.7		mg/Kg		08/13/25 07:38	08/15/25 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*113*		*70 - 130*	*08/13/25 07:38*	*08/15/25 04:50*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/13/25 07:38*	*08/15/25 04:50*	*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			08/15/25 10:39	1

Client Sample ID: CS-3

Date Collected: 08/14/25 13:10
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 00:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 00:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 00:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/14/25 21:00	08/15/25 00:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 00:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/14/25 21:00	08/15/25 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*08/14/25 21:00*	*08/15/25 00:59*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/14/25 21:00*	*08/15/25 00:59*	*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			08/15/25 00:59	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-3

Lab Sample ID: 890-8627-3
Matrix: Solid
Date Collected: 08/14/25 13:10
Date Received: 08/14/25 15:30
Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**563**		49.8		mg/Kg			08/15/25 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 05:05	1
Diesel Range Organics (Over C10-C28)	**67.1**		49.8		mg/Kg		08/13/25 07:38	08/15/25 05:05	1
Oil Range Organics (Over C28-C36)	**496**		49.8		mg/Kg		08/13/25 07:38	08/15/25 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/13/25 07:38*	*08/15/25 05:05*	*1*
o-Terphenyl	*87*		*70 - 130*	*08/13/25 07:38*	*08/15/25 05:05*	*1*

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			08/15/25 10:56	1

Client Sample ID: CS-4

Lab Sample ID: 890-8627-4
Matrix: Solid
Date Collected: 08/14/25 13:15
Date Received: 08/14/25 15:30
Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 01:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 01:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 01:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/25 21:00	08/15/25 01:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 01:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/25 21:00	08/15/25 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*08/14/25 21:00*	*08/15/25 01:19*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/14/25 21:00*	*08/15/25 01:19*	*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			08/15/25 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**648**		49.9		mg/Kg			08/15/25 05:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 05:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 05:20	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-4

Date Collected: 08/14/25 13:15
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	**648**		49.9		mg/Kg		08/13/25 07:38	08/15/25 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*08/13/25 07:38*	*08/15/25 05:20*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/13/25 07:38*	*08/15/25 05:20*	*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			08/15/25 11:01	1

Client Sample ID: CS-5

Date Collected: 08/14/25 13:20
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-5
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		08/14/25 21:00	08/15/25 01:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 01:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 01:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/25 21:00	08/15/25 01:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 01:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/25 21:00	08/15/25 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/14/25 21:00*	*08/15/25 01:40*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/14/25 21:00*	*08/15/25 01:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/15/25 01:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**445**		49.8		mg/Kg			08/15/25 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 05:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 05:36	1
Oil Range Organics (Over C28-C36)	**445**		49.8		mg/Kg		08/13/25 07:38	08/15/25 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*08/13/25 07:38*	*08/15/25 05:36*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/13/25 07:38*	*08/15/25 05:36*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-5

Lab Sample ID: 890-8627-5
Matrix: Solid
Date Collected: 08/14/25 13:20
Date Received: 08/14/25 15:30
Sample Depth: 0.25

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			08/15/25 11:18	1

Client Sample ID: CS-6

Lab Sample ID: 890-8627-6
Matrix: Solid
Date Collected: 08/14/25 13:25
Date Received: 08/14/25 15:30
Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/14/25 21:00	08/15/25 02:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/14/25 21:00	08/15/25 02:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/14/25 21:00	08/15/25 02:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/14/25 21:00	08/15/25 02:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/14/25 21:00	08/15/25 02:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/14/25 21:00	08/15/25 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*08/14/25 21:00*	*08/15/25 02:00*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/14/25 21:00*	*08/15/25 02:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/15/25 02:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**555**		50.0		mg/Kg			08/15/25 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 05:51	1
Diesel Range Organics (Over C10-C28)	**54.5**		50.0		mg/Kg		08/13/25 07:38	08/15/25 05:51	1
Oil Range Organics (Over C28-C36)	**500**		50.0		mg/Kg		08/13/25 07:38	08/15/25 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*08/13/25 07:38*	*08/15/25 05:51*	*1*
o-Terphenyl	*101*		*70 - 130*	*08/13/25 07:38*	*08/15/25 05:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			08/15/25 11:24	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-7

Lab Sample ID: 890-8627-7
Matrix: Solid
Date Collected: 08/14/25 13:30
Date Received: 08/14/25 15:30
Sample Depth: 0.25

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		08/14/25 21:00	08/15/25 03:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/14/25 21:00	08/15/25 03:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/14/25 21:00	08/15/25 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*08/14/25 21:00*	*08/15/25 03:34*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*08/14/25 21:00*	*08/15/25 03:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/15/25 03:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**136**		49.8		mg/Kg			08/15/25 06:06	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	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 06:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 06:06	1
Oil Range Organics (Over C28-C36)	**136**		49.8		mg/Kg		08/13/25 07:38	08/15/25 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*08/13/25 07:38*	*08/15/25 06:06*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/13/25 07:38*	*08/15/25 06:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			08/15/25 11:30	1

Client Sample ID: CS-8

Lab Sample ID: 890-8627-8
Matrix: Solid
Date Collected: 08/14/25 13:35
Date Received: 08/14/25 15:30
Sample Depth: 0.25

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		08/14/25 21:00	08/15/25 03:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/14/25 21:00	08/15/25 03:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/14/25 21:00	08/15/25 03:54	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-8

Date Collected: 08/14/25 13:35
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-8

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/14/25 21:00*	*08/15/25 03:54*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/14/25 21:00*	*08/15/25 03:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/15/25 03:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**106**		49.9		mg/Kg			08/15/25 06:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 06:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 06:22	1
Oil Range Organics (Over C28-C36)	**106**		49.9		mg/Kg		08/13/25 07:38	08/15/25 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*08/13/25 07:38*	*08/15/25 06:22*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/13/25 07:38*	*08/15/25 06:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			08/15/25 11:35	1

Client Sample ID: CS-9

Date Collected: 08/14/25 13:40
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-9

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		08/14/25 21:00	08/15/25 04:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 04:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 04:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/25 21:00	08/15/25 04:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/25 21:00	08/15/25 04:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/25 21:00	08/15/25 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*08/14/25 21:00*	*08/15/25 04:15*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*08/14/25 21:00*	*08/15/25 04:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/25 04:15	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-9

Lab Sample ID: 890-8627-9
Matrix: Solid
Date Collected: 08/14/25 13:40
Date Received: 08/14/25 15:30
Sample Depth: 0.25

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			08/15/25 06:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 06:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 06:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*08/13/25 07:38*	*08/15/25 06:37*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/13/25 07:38*	*08/15/25 06:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.8**		9.94		mg/Kg			08/15/25 11:41	1

Client Sample ID: CS-10

Lab Sample ID: 890-8627-10
Matrix: Solid
Date Collected: 08/14/25 13:45
Date Received: 08/14/25 15:30
Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 04:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 04:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 04:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/25 21:00	08/15/25 04:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 04:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/25 21:00	08/15/25 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/14/25 21:00*	*08/15/25 04:35*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/14/25 21:00*	*08/15/25 04:35*	*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			08/15/25 04:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/15/25 06:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 06:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 06:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 06:52	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-10

Date Collected: 08/14/25 13:45
Date Received: 08/14/25 15:30
Sample Depth: 0.25

Lab Sample ID: 890-8627-10

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*08/13/25 07:38*	*08/15/25 06:52*	*1*
o-Terphenyl	*93*		*70 - 130*	*08/13/25 07:38*	*08/15/25 06:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			08/15/25 11:47	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8627-1	CS-1	114	94
890-8627-2	CS-2	60 S1-	82
890-8627-3	CS-3	110	92
890-8627-4	CS-4	106	96
890-8627-5	CS-5	112	92
890-8627-6	CS-6	110	95
890-8627-7	CS-7	118	94
890-8627-8	CS-8	112	93
890-8627-9	CS-9	111	92
890-8627-10	CS-10	112	95
LCS 880-116714/1-A	Lab Control Sample	107	99
LCSD 880-116714/2-A	Lab Control Sample Dup	112	97
MB 880-116408/5-A	Method Blank	107	91
MB 880-116714/5-A	Method Blank	109	86

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8627-1	CS-1	108	98
890-8627-2	CS-2	113	96
890-8627-3	CS-3	94	87
890-8627-4	CS-4	107	100
890-8627-5	CS-5	115	100
890-8627-6	CS-6	114	101
890-8627-7	CS-7	110	102
890-8627-8	CS-8	108	96
890-8627-9	CS-9	110	96
890-8627-10	CS-10	108	93
LCS 880-116568/2-A	Lab Control Sample	130	132 S1+
LCSD 880-116568/3-A	Lab Control Sample Dup	135 S1+	136 S1+
MB 880-116568/1-A	Method Blank	92	88

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116408/5-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/25 14:22	08/14/25 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*08/12/25 14:22*	*08/14/25 11:26*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/12/25 14:22*	*08/14/25 11:26*	*1*

Lab Sample ID: MB 880-116714/5-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/25 12:53	08/14/25 22:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/25 12:53	08/14/25 22:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/14/25 12:53*	*08/14/25 22:35*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/14/25 12:53*	*08/14/25 22:35*	*1*

Lab Sample ID: LCS 880-116714/1-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09760		mg/Kg		98	70 - 130
Toluene	0.100	0.09367		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09800		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1933		mg/Kg		97	70 - 130
o-Xylene	0.100	0.07996		mg/Kg		80	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-116714/2-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116714

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09951		mg/Kg		100	70 - 130	2	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

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

Lab Sample ID: LCSD 880-116714/2-A
Matrix: Solid
Analysis Batch: 116664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116714

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09565		mg/Kg		96	70 - 130	2	35
Ethylbenzene			0.100	0.09969		mg/Kg		100	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1976		mg/Kg		99	70 - 130	2	35
o-Xylene			0.100	0.08153		mg/Kg		82	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-116568/1-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 00:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 00:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 00:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/13/25 07:38*	*08/15/25 00:19*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/13/25 07:38*	*08/15/25 00:19*	*1*

Lab Sample ID: LCS 880-116568/2-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116568

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1011		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)			1000	964.9		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-116568/3-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116568

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1042		mg/Kg		104	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1006		mg/Kg		101	70 - 130	4	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

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

Lab Sample ID: LCSD 880-116568/3-A
Matrix: Solid
Analysis Batch: 116673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116568

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	136	S1+	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116729/1-A
Matrix: Solid
Analysis Batch: 116739

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			08/15/25 08:56	1

Lab Sample ID: LCS 880-116729/2-A
Matrix: Solid
Analysis Batch: 116739

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	235.1		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-116729/3-A
Matrix: Solid
Analysis Batch: 116739

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	235.1		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-8627-2 MS
Matrix: Solid
Analysis Batch: 116739

Client Sample ID: CS-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<10.1	U	253	246.7		mg/Kg		96	90 - 110		

Lab Sample ID: 890-8627-2 MSD
Matrix: Solid
Analysis Batch: 116739

Client Sample ID: CS-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<10.1	U	253	247.2		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

GC VOA

Prep Batch: 116408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116408/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 116664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-1	CS-1	Total/NA	Solid	8021B	116714
890-8627-2	CS-2	Total/NA	Solid	8021B	116714
890-8627-3	CS-3	Total/NA	Solid	8021B	116714
890-8627-4	CS-4	Total/NA	Solid	8021B	116714
890-8627-5	CS-5	Total/NA	Solid	8021B	116714
890-8627-6	CS-6	Total/NA	Solid	8021B	116714
890-8627-7	CS-7	Total/NA	Solid	8021B	116714
890-8627-8	CS-8	Total/NA	Solid	8021B	116714
890-8627-9	CS-9	Total/NA	Solid	8021B	116714
890-8627-10	CS-10	Total/NA	Solid	8021B	116714
MB 880-116408/5-A	Method Blank	Total/NA	Solid	8021B	116408
MB 880-116714/5-A	Method Blank	Total/NA	Solid	8021B	116714
LCS 880-116714/1-A	Lab Control Sample	Total/NA	Solid	8021B	116714
LCSD 880-116714/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116714

Prep Batch: 116714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-1	CS-1	Total/NA	Solid	5035	
890-8627-2	CS-2	Total/NA	Solid	5035	
890-8627-3	CS-3	Total/NA	Solid	5035	
890-8627-4	CS-4	Total/NA	Solid	5035	
890-8627-5	CS-5	Total/NA	Solid	5035	
890-8627-6	CS-6	Total/NA	Solid	5035	
890-8627-7	CS-7	Total/NA	Solid	5035	
890-8627-8	CS-8	Total/NA	Solid	5035	
890-8627-9	CS-9	Total/NA	Solid	5035	
890-8627-10	CS-10	Total/NA	Solid	5035	
MB 880-116714/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116714/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116714/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 116775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-1	CS-1	Total/NA	Solid	Total BTEX	
890-8627-2	CS-2	Total/NA	Solid	Total BTEX	
890-8627-3	CS-3	Total/NA	Solid	Total BTEX	
890-8627-4	CS-4	Total/NA	Solid	Total BTEX	
890-8627-5	CS-5	Total/NA	Solid	Total BTEX	
890-8627-6	CS-6	Total/NA	Solid	Total BTEX	
890-8627-7	CS-7	Total/NA	Solid	Total BTEX	
890-8627-8	CS-8	Total/NA	Solid	Total BTEX	
890-8627-9	CS-9	Total/NA	Solid	Total BTEX	
890-8627-10	CS-10	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

GC Semi VOA

Prep Batch: 116568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-1	CS-1	Total/NA	Solid	8015NM Prep	
890-8627-2	CS-2	Total/NA	Solid	8015NM Prep	
890-8627-3	CS-3	Total/NA	Solid	8015NM Prep	
890-8627-4	CS-4	Total/NA	Solid	8015NM Prep	
890-8627-5	CS-5	Total/NA	Solid	8015NM Prep	
890-8627-6	CS-6	Total/NA	Solid	8015NM Prep	
890-8627-7	CS-7	Total/NA	Solid	8015NM Prep	
890-8627-8	CS-8	Total/NA	Solid	8015NM Prep	
890-8627-9	CS-9	Total/NA	Solid	8015NM Prep	
890-8627-10	CS-10	Total/NA	Solid	8015NM Prep	
MB 880-116568/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116568/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116568/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 116673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-1	CS-1	Total/NA	Solid	8015B NM	116568
890-8627-2	CS-2	Total/NA	Solid	8015B NM	116568
890-8627-3	CS-3	Total/NA	Solid	8015B NM	116568
890-8627-4	CS-4	Total/NA	Solid	8015B NM	116568
890-8627-5	CS-5	Total/NA	Solid	8015B NM	116568
890-8627-6	CS-6	Total/NA	Solid	8015B NM	116568
890-8627-7	CS-7	Total/NA	Solid	8015B NM	116568
890-8627-8	CS-8	Total/NA	Solid	8015B NM	116568
890-8627-9	CS-9	Total/NA	Solid	8015B NM	116568
890-8627-10	CS-10	Total/NA	Solid	8015B NM	116568
MB 880-116568/1-A	Method Blank	Total/NA	Solid	8015B NM	116568
LCS 880-116568/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116568
LCSD 880-116568/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116568

Analysis Batch: 116763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-1	CS-1	Total/NA	Solid	8015 NM	
890-8627-2	CS-2	Total/NA	Solid	8015 NM	
890-8627-3	CS-3	Total/NA	Solid	8015 NM	
890-8627-4	CS-4	Total/NA	Solid	8015 NM	
890-8627-5	CS-5	Total/NA	Solid	8015 NM	
890-8627-6	CS-6	Total/NA	Solid	8015 NM	
890-8627-7	CS-7	Total/NA	Solid	8015 NM	
890-8627-8	CS-8	Total/NA	Solid	8015 NM	
890-8627-9	CS-9	Total/NA	Solid	8015 NM	
890-8627-10	CS-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 116729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-1	CS-1	Soluble	Solid	DI Leach	
890-8627-2	CS-2	Soluble	Solid	DI Leach	
890-8627-3	CS-3	Soluble	Solid	DI Leach	
890-8627-4	CS-4	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

HPLC/IC (Continued)

Leach Batch: 116729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-5	CS-5	Soluble	Solid	DI Leach	
890-8627-6	CS-6	Soluble	Solid	DI Leach	
890-8627-7	CS-7	Soluble	Solid	DI Leach	
890-8627-8	CS-8	Soluble	Solid	DI Leach	
890-8627-9	CS-9	Soluble	Solid	DI Leach	
890-8627-10	CS-10	Soluble	Solid	DI Leach	
MB 880-116729/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116729/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116729/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8627-2 MS	CS-2	Soluble	Solid	DI Leach	
890-8627-2 MSD	CS-2	Soluble	Solid	DI Leach	

Analysis Batch: 116739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8627-1	CS-1	Soluble	Solid	300.0	116729
890-8627-2	CS-2	Soluble	Solid	300.0	116729
890-8627-3	CS-3	Soluble	Solid	300.0	116729
890-8627-4	CS-4	Soluble	Solid	300.0	116729
890-8627-5	CS-5	Soluble	Solid	300.0	116729
890-8627-6	CS-6	Soluble	Solid	300.0	116729
890-8627-7	CS-7	Soluble	Solid	300.0	116729
890-8627-8	CS-8	Soluble	Solid	300.0	116729
890-8627-9	CS-9	Soluble	Solid	300.0	116729
890-8627-10	CS-10	Soluble	Solid	300.0	116729
MB 880-116729/1-A	Method Blank	Soluble	Solid	300.0	116729
LCS 880-116729/2-A	Lab Control Sample	Soluble	Solid	300.0	116729
LCSD 880-116729/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116729
890-8627-2 MS	CS-2	Soluble	Solid	300.0	116729
890-8627-2 MSD	CS-2	Soluble	Solid	300.0	116729

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-1
Date Collected: 08/14/25 13:00
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 00:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 00:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 04:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 04:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 10:33	CS	EET MID

Client Sample ID: CS-2
Date Collected: 08/14/25 13:05
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 00:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 00:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 04:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 04:50	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 10:39	CS	EET MID

Client Sample ID: CS-3
Date Collected: 08/14/25 13:10
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 00:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 00:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 05:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 05:05	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 10:56	CS	EET MID

Client Sample ID: CS-4
Date Collected: 08/14/25 13:15
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 01:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 01:19	SA	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-4
Date Collected: 08/14/25 13:15
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-4
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			116763	08/15/25 05:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 05:20	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 11:01	CS	EET MID

Client Sample ID: CS-5
Date Collected: 08/14/25 13:20
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-5
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			5.00 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 01:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 01:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 05:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 05:36	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 11:18	CS	EET MID

Client Sample ID: CS-6
Date Collected: 08/14/25 13:25
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 02:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 02:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 05:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 05:51	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 11:24	CS	EET MID

Client Sample ID: CS-7
Date Collected: 08/14/25 13:30
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 03:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 06:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 06:06	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Client Sample ID: CS-7

Date Collected: 08/14/25 13:30
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 11:30	CS	EET MID

Client Sample ID: CS-8

Date Collected: 08/14/25 13:35
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 03:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 03:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 06:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 06:22	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 11:35	CS	EET MID

Client Sample ID: CS-9

Date Collected: 08/14/25 13:40
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 04:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 04:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 06:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 06:37	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 11:41	CS	EET MID

Client Sample ID: CS-10

Date Collected: 08/14/25 13:45
Date Received: 08/14/25 15:30

Lab Sample ID: 890-8627-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	116714	08/14/25 21:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116664	08/15/25 04:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116775	08/15/25 04:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			116763	08/15/25 06:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	116568	08/13/25 07:38	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116673	08/15/25 06:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 11:47	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8627-1
Project/Site: Maljamar Gas Plant
SDG: Lea County,NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8627-1
SDG: Lea County,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8627-1	CS-1	Solid	08/14/25 13:00	08/14/25 15:30	0.25
890-8627-2	CS-2	Solid	08/14/25 13:05	08/14/25 15:30	0.25
890-8627-3	CS-3	Solid	08/14/25 13:10	08/14/25 15:30	0.25
890-8627-4	CS-4	Solid	08/14/25 13:15	08/14/25 15:30	0.25
890-8627-5	CS-5	Solid	08/14/25 13:20	08/14/25 15:30	0.25
890-8627-6	CS-6	Solid	08/14/25 13:25	08/14/25 15:30	0.25
890-8627-7	CS-7	Solid	08/14/25 13:30	08/14/25 15:30	0.25
890-8627-8	CS-8	Solid	08/14/25 13:35	08/14/25 15:30	0.25
890-8627-9	CS-9	Solid	08/14/25 13:40	08/14/25 15:30	0.25
890-8627-10	CS-10	Solid	08/14/25 13:45	08/14/25 15:30	0.25

8/15/2025

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Chain of Custody

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

890-8627 Chain of Custody

www.xenco.com Page 1 of 2

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	☐ Routine ☑ Rush
Project Number:	639		
Project Location:	Lea County, NM	Due Date:	24hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TMA027
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	0.2

Preservative Codes

None: NO; DI Water: H_2O
Cool: Cool; MeOH: Me
HCL: HC; HNO_3: HN
H_2SO_4: H_2; NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-1	S	8.14.25	13:00	0.25	Comp	1	X	X	X		X	Incident Number
CS-2	S	8.14.25	13:05	0.25	Comp	1	X	X	X		X	nAPP2516756421
CS-3	S	8.14.25	13:10	0.25	Comp	1	X	X	X		X	
CS-4	S	8.14.25	13:15	0.25	Comp	1	X	X	X		X	
CS-5	S	8.14.25	13:20	0.25	Comp	1	X	X	X		X	
CS-6	S	8.14.25	13:25	0.25	Comp	1	X	X	X		X	
CS-7	S	8.14.25	13:30	0.25	Comp	1	X	X	X		X	
CS-8	S	8.14.25	13:35	0.25	Comp	1	X	X	X		X	
CS-9	S	8.14.25	13:40	0.25	Comp	1	X	X	X		X	

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	2 [signature]	3:21 8/14			
3			4		
5			6		

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 2

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	
Project Number:	639	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNmeo7	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.4	
Total Containers:		Corrected Temperature:	0.2	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH-NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
CS-10	S	8.14.25	13:45	0.25	Comp	1	X	X	X		X

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Incident Number
nAPP2516756421

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			1:21 8/14			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

890-8627 Chain of Custody

www.xenco.com Page _____ of 2

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	**Turn Around**	
Project Number:	639	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	24hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM0027
~~Cooler Custody Seals:~~	~~Yes No N/A~~	Correction Factor:	0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	0.2

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
CS-1	S	8.14.25	13:00	0.25	Comp	1	X	X	X		X
CS-2	S	8.14.25	13:05	0.25	Comp	1	X	X	X		X
CS-3	S	8.14.25	13:10	0.25	Comp	1	X	X	X		X
CS-4	S	8.14.25	13:15	0.25	Comp	1	X	X	X		X
CS-5	S	8.14.25	13:20	0.25	Comp	1	X	X	X		X
CS-6	S	8.14.25	13:25	0.25	Comp	1	X	X	X		X
CS-7	S	8.14.25	13:30	0.25	Comp	1	X	X	X		X
CS-8	S	8.14.25	13:35	0.25	Comp	1	X	X	X		X
CS-9	S	8.14.25	13:40	0.25	Comp	1	X	X	X		X

Sample Comments

Incident Number
nAPP2516756421

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		3:21 8/19	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

8/15/2025

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Chain of Custody

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

Work Order No: ____________

www.xenco.com Page 2 of 2

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

Work Order Comments

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

Project Name:	Maljamar Gas Plant	Turn Around	
Project Number:	639	☐ Routine	☑ Rush
Project Location:	Lea County, NM	Due Date:	24hr Rush
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT	Temp Blank:	Yes (circled) No	Wet Ice:	Yes (circled) No
Samples Received Intact:	Yes (circled) No		Thermometer ID:	1 Nmoe7
Cooler Custody Seals:	Yes No N/A (circled)		Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A (circled)		Temperature Reading:	0.4
Total Containers:			Corrected Temperature:	0.2

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-10	S	8.14.25	13:45	0.25	Comp	1	X	X	X		X	Incident Number
												nAPP2516756421

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed — Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 [signature]	[signature]	5:21 8/14			
3			4		
5			6		

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8627-1
SDG Number: Lea County,NM

Login Number: 8627
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8627-1
SDG Number: Lea County,NM

Login Number: 8627
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 08/14/25 09:53 PM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/22/2025 11:18:48 AM

JOB DESCRIPTION

Maljamar Gas Plant
Lea County, NM

JOB NUMBER

890-8708-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

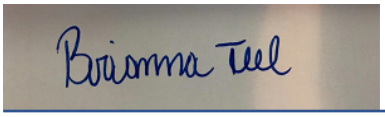
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/22/2025 11:18:48 AM

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

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Laboratory Job ID: 890-8708-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration Job ID: 890-8708-1
Project: Maljamar Gas Plant

Job ID: 890-8708-1 Eurofins Carlsbad

Job Narrative
890-8708-1

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 8/21/2025 11:46 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -7.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (890-8708-1), CS - 2 (890-8708-2), CS - 3 (890-8708-3), CS - 4 (890-8708-4), CS - 5 (890-8708-5), CS - 6 (890-8708-6), CS - 7 (890-8708-7) and CS - 8 (890-8708-8).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-116968 and 880-117210 and analytical batch 880-117098 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS - 2 (890-8708-2), CS - 3 (890-8708-3), CS - 4 (890-8708-4) and CS - 8 (890-8708-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-117098 recovered under the lower control limit for Toluene, Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

(CCV 880-117098/33)

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-117210 and analytical batch 880-117098 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 1

Lab Sample ID: 890-8708-1
Matrix: Solid
Date Collected: 08/21/25 09:30
Date Received: 08/21/25 11:46
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		08/21/25 20:30	08/22/25 03:01	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		08/21/25 20:30	08/22/25 03:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 03:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 03:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 03:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*08/21/25 20:30*	*08/22/25 03:01*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*08/21/25 20:30*	*08/22/25 03:01*	*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			08/22/25 03:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/25 20:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/21/25 09:40	08/21/25 20:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 09:40	08/21/25 20:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 09:40	08/21/25 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*08/21/25 09:40*	*08/21/25 20:56*	*1*
o-Terphenyl	*93*		*70 - 130*	*08/21/25 09:40*	*08/21/25 20:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**199**		10.0		mg/Kg			08/22/25 09:07	1

Client Sample ID: CS - 2

Lab Sample ID: 890-8708-2
Matrix: Solid
Date Collected: 08/21/25 09:35
Date Received: 08/21/25 11:46
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 03:21	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		08/21/25 20:30	08/22/25 03:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 03:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/25 20:30	08/22/25 03:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 03:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/25 20:30	08/22/25 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*08/21/25 20:30*	*08/22/25 03:21*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 2

Lab Sample ID: 890-8708-2
Matrix: Solid

Date Collected: 08/21/25 09:35
Date Received: 08/21/25 11:46
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*08/21/25 20:30*	*08/22/25 03:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/22/25 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/25 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*08/21/25 09:40*	*08/21/25 21:11*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/21/25 09:40*	*08/21/25 21:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**241**		9.96		mg/Kg			08/22/25 09:24	1

Client Sample ID: CS - 3

Lab Sample ID: 890-8708-3
Matrix: Solid

Date Collected: 08/21/25 09:40
Date Received: 08/21/25 11:46
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		08/21/25 20:30	08/22/25 03:42	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		08/21/25 20:30	08/22/25 03:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 03:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 03:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 03:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*08/21/25 20:30*	*08/22/25 03:42*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*08/21/25 20:30*	*08/22/25 03:42*	*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			08/22/25 03:42	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			08/21/25 21:27	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 3

Lab Sample ID: 890-8708-3
Matrix: Solid
Date Collected: 08/21/25 09:40
Date Received: 08/21/25 11:46
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/21/25 09:40*	*08/21/25 21:27*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/21/25 09:40*	*08/21/25 21:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**214**		9.98		mg/Kg			08/22/25 09:30	1

Client Sample ID: CS - 4

Lab Sample ID: 890-8708-4
Matrix: Solid
Date Collected: 08/21/25 09:45
Date Received: 08/21/25 11:46
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		08/21/25 20:30	08/22/25 04:02	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		08/21/25 20:30	08/22/25 04:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 04:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 04:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 04:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*08/21/25 20:30*	*08/22/25 04:02*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*08/21/25 20:30*	*08/22/25 04:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/22/25 04:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/21/25 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/21/25 09:40	08/21/25 21:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 09:40	08/21/25 21:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 09:40	08/21/25 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/21/25 09:40*	*08/21/25 21:42*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/21/25 09:40*	*08/21/25 21:42*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 4

Lab Sample ID: 890-8708-4
Matrix: Solid
Date Collected: 08/21/25 09:45
Date Received: 08/21/25 11:46
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231		9.92		mg/Kg			08/22/25 09:36	1

Client Sample ID: CS - 5

Lab Sample ID: 890-8708-5
Matrix: Solid
Date Collected: 08/21/25 09:50
Date Received: 08/21/25 11:46
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 06:13	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		08/21/25 20:30	08/22/25 06:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 06:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/25 20:30	08/22/25 06:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 06:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/25 20:30	08/22/25 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*08/21/25 20:30*	*08/22/25 06:13*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*08/21/25 20:30*	*08/22/25 06:13*	*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			08/22/25 06:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/25 21:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*08/21/25 09:40*	*08/21/25 21:58*	*1*
o-Terphenyl	*92*		*70 - 130*	*08/21/25 09:40*	*08/21/25 21:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		9.94		mg/Kg			08/22/25 09:41	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 6

Lab Sample ID: 890-8708-6
Matrix: Solid
Date Collected: 08/21/25 09:55
Date Received: 08/21/25 11:46
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		08/21/25 20:30	08/22/25 06:33	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		08/21/25 20:30	08/22/25 06:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 06:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 06:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 06:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*08/21/25 20:30*	*08/22/25 06:33*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*08/21/25 20:30*	*08/22/25 06:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/22/25 06:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/21/25 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 09:40	08/21/25 22:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/25 09:40	08/21/25 22:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 09:40	08/21/25 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*08/21/25 09:40*	*08/21/25 22:15*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/21/25 09:40*	*08/21/25 22:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**234**		10.0		mg/Kg			08/22/25 09:59	1

Client Sample ID: CS - 7

Lab Sample ID: 890-8708-7
Matrix: Solid
Date Collected: 08/21/25 10:00
Date Received: 08/21/25 11:46
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		08/21/25 20:30	08/22/25 06:54	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		08/21/25 20:30	08/22/25 06:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 06:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 06:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 20:30	08/22/25 06:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 20:30	08/22/25 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*08/21/25 20:30*	*08/22/25 06:54*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 7

Lab Sample ID: 890-8708-7
Matrix: Solid
Date Collected: 08/21/25 10:00
Date Received: 08/21/25 11:46
Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*08/21/25 20:30*	*08/22/25 06:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/22/25 06:54	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			08/21/25 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 22:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 22:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*93*		*70 - 130*	*08/21/25 09:40*	*08/21/25 22:31*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/21/25 09:40*	*08/21/25 22:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**236**		10.0		mg/Kg			08/22/25 10:04	1

Client Sample ID: CS - 8

Lab Sample ID: 890-8708-8
Matrix: Solid
Date Collected: 08/21/25 10:05
Date Received: 08/21/25 11:46
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 07:14	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		08/21/25 20:30	08/22/25 07:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 07:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/25 20:30	08/22/25 07:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 07:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/25 20:30	08/22/25 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/21/25 20:30*	*08/22/25 07:14*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*08/21/25 20:30*	*08/22/25 07:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/22/25 07:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/21/25 22:47	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 8

Date Collected: 08/21/25 10:05
Date Received: 08/21/25 11:46
Sample Depth: 0.5

Lab Sample ID: 890-8708-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 09:40	08/21/25 22:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/25 09:40	08/21/25 22:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 09:40	08/21/25 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/21/25 09:40*	*08/21/25 22:47*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/21/25 09:40*	*08/21/25 22:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**254**		9.98		mg/Kg			08/22/25 10:10	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
890-8708-1	CS - 1	126	112										
890-8708-2	CS - 2	134 S1+	110										
890-8708-3	CS - 3	135 S1+	116										
890-8708-4	CS - 4	139 S1+	115										
890-8708-5	CS - 5	107	110										
890-8708-6	CS - 6	127	109										
890-8708-7	CS - 7	118	110										
890-8708-8	CS - 8	140 S1+	114										
LCS 880-117210/1-A	Lab Control Sample	122	107										
LCSD 880-117210/2-A	Lab Control Sample Dup	117	105										
MB 880-116968/5-A	Method Blank	166 S1+	95										
MB 880-117210/5-A	Method Blank	165 S1+	95										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-8708-1	CS - 1	91	93										
890-8708-2	CS - 2	89	90										
890-8708-3	CS - 3	90	91										
890-8708-4	CS - 4	90	91										
890-8708-5	CS - 5	91	92										
890-8708-6	CS - 6	89	91										
890-8708-7	CS - 7	93	95										
890-8708-8	CS - 8	94	95										
LCS 880-117208/2-A	Lab Control Sample	112	101										
LCSD 880-117208/3-A	Lab Control Sample Dup	114	102										
MB 880-117208/1-A	Method Blank	79	83										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-116968/5-A
Matrix: Solid
Analysis Batch: 117098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/18/25 14:26	08/21/25 13:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/25 14:26	08/21/25 13:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/25 14:26	08/21/25 13:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/18/25 14:26	08/21/25 13:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/25 14:26	08/21/25 13:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/18/25 14:26	08/21/25 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*08/18/25 14:26*	*08/21/25 13:13*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/18/25 14:26*	*08/21/25 13:13*	*1*

Lab Sample ID: MB 880-117210/5-A
Matrix: Solid
Analysis Batch: 117098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:49	08/22/25 00:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:49	08/22/25 00:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:49	08/22/25 00:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/25 09:49	08/22/25 00:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:49	08/22/25 00:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 09:49	08/22/25 00:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*	*08/21/25 09:49*	*08/22/25 00:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/21/25 09:49*	*08/22/25 00:50*	*1*

Lab Sample ID: LCS 880-117210/1-A
Matrix: Solid
Analysis Batch: 117098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117210

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08680		mg/Kg		87	70 - 130
Toluene	0.100	0.06682	*-	mg/Kg		67	70 - 130
Ethylbenzene	0.100	0.07107		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	0.200	0.1652		mg/Kg		83	70 - 130
o-Xylene	0.100	0.09624		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-117210/2-A
Matrix: Solid
Analysis Batch: 117098

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117210

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09484		mg/Kg		95	70 - 130	9	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-117210/2-A
Matrix: Solid
Analysis Batch: 117098

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08018		mg/Kg		80	70 - 130	18	35
Ethylbenzene			0.100	0.08569		mg/Kg		86	70 - 130	19	35
m-Xylene & p-Xylene			0.200	0.1824		mg/Kg		91	70 - 130	10	35
o-Xylene			0.100	0.1034		mg/Kg		103	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 880-117208/1-A
Matrix: Solid
Analysis Batch: 117310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 12:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 12:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*08/21/25 09:40*	*08/21/25 12:14*	*1*
o-Terphenyl	*83*		*70 - 130*	*08/21/25 09:40*	*08/21/25 12:14*	*1*

Lab Sample ID: LCS 880-117208/2-A
Matrix: Solid
Analysis Batch: 117310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117208

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1224		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1229		mg/Kg		123	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-117208/3-A
Matrix: Solid
Analysis Batch: 117310

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117208

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1253		mg/Kg		125	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1234		mg/Kg		123	70 - 130	0	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-117208/3-A
Matrix: Solid
Analysis Batch: 117310

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117208

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	102		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117329/1-A
Matrix: Solid
Analysis Batch: 117340

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			08/22/25 08:50	1

Lab Sample ID: LCS 880-117329/2-A
Matrix: Solid
Analysis Batch: 117340

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.2		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-117329/3-A
Matrix: Solid
Analysis Batch: 117340

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	246.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-8708-1 MS
Matrix: Solid
Analysis Batch: 117340

Client Sample ID: CS - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	199		250	443.7		mg/Kg		98	90 - 110		

Lab Sample ID: 890-8708-1 MSD
Matrix: Solid
Analysis Batch: 117340

Client Sample ID: CS - 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	199		250	443.2		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

GC VOA

Prep Batch: 116968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116968/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 117098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-1	CS - 1	Total/NA	Solid	8021B	117210
890-8708-2	CS - 2	Total/NA	Solid	8021B	117210
890-8708-3	CS - 3	Total/NA	Solid	8021B	117210
890-8708-4	CS - 4	Total/NA	Solid	8021B	117210
890-8708-5	CS - 5	Total/NA	Solid	8021B	117210
890-8708-6	CS - 6	Total/NA	Solid	8021B	117210
890-8708-7	CS - 7	Total/NA	Solid	8021B	117210
890-8708-8	CS - 8	Total/NA	Solid	8021B	117210
MB 880-116968/5-A	Method Blank	Total/NA	Solid	8021B	116968
MB 880-117210/5-A	Method Blank	Total/NA	Solid	8021B	117210
LCS 880-117210/1-A	Lab Control Sample	Total/NA	Solid	8021B	117210
LCSD 880-117210/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117210

Prep Batch: 117210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-1	CS - 1	Total/NA	Solid	5035	
890-8708-2	CS - 2	Total/NA	Solid	5035	
890-8708-3	CS - 3	Total/NA	Solid	5035	
890-8708-4	CS - 4	Total/NA	Solid	5035	
890-8708-5	CS - 5	Total/NA	Solid	5035	
890-8708-6	CS - 6	Total/NA	Solid	5035	
890-8708-7	CS - 7	Total/NA	Solid	5035	
890-8708-8	CS - 8	Total/NA	Solid	5035	
MB 880-117210/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117210/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117210/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 117393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-1	CS - 1	Total/NA	Solid	Total BTEX	
890-8708-2	CS - 2	Total/NA	Solid	Total BTEX	
890-8708-3	CS - 3	Total/NA	Solid	Total BTEX	
890-8708-4	CS - 4	Total/NA	Solid	Total BTEX	
890-8708-5	CS - 5	Total/NA	Solid	Total BTEX	
890-8708-6	CS - 6	Total/NA	Solid	Total BTEX	
890-8708-7	CS - 7	Total/NA	Solid	Total BTEX	
890-8708-8	CS - 8	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 117208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-1	CS - 1	Total/NA	Solid	8015NM Prep	
890-8708-2	CS - 2	Total/NA	Solid	8015NM Prep	
890-8708-3	CS - 3	Total/NA	Solid	8015NM Prep	
890-8708-4	CS - 4	Total/NA	Solid	8015NM Prep	
890-8708-5	CS - 5	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 117208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-6	CS - 6	Total/NA	Solid	8015NM Prep	
890-8708-7	CS - 7	Total/NA	Solid	8015NM Prep	
890-8708-8	CS - 8	Total/NA	Solid	8015NM Prep	
MB 880-117208/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117208/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-1	CS - 1	Total/NA	Solid	8015B NM	117208
890-8708-2	CS - 2	Total/NA	Solid	8015B NM	117208
890-8708-3	CS - 3	Total/NA	Solid	8015B NM	117208
890-8708-4	CS - 4	Total/NA	Solid	8015B NM	117208
890-8708-5	CS - 5	Total/NA	Solid	8015B NM	117208
890-8708-6	CS - 6	Total/NA	Solid	8015B NM	117208
890-8708-7	CS - 7	Total/NA	Solid	8015B NM	117208
890-8708-8	CS - 8	Total/NA	Solid	8015B NM	117208
MB 880-117208/1-A	Method Blank	Total/NA	Solid	8015B NM	117208
LCS 880-117208/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117208
LCSD 880-117208/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117208

Analysis Batch: 117350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-1	CS - 1	Total/NA	Solid	8015 NM	
890-8708-2	CS - 2	Total/NA	Solid	8015 NM	
890-8708-3	CS - 3	Total/NA	Solid	8015 NM	
890-8708-4	CS - 4	Total/NA	Solid	8015 NM	
890-8708-5	CS - 5	Total/NA	Solid	8015 NM	
890-8708-6	CS - 6	Total/NA	Solid	8015 NM	
890-8708-7	CS - 7	Total/NA	Solid	8015 NM	
890-8708-8	CS - 8	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 117329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-1	CS - 1	Soluble	Solid	DI Leach	
890-8708-2	CS - 2	Soluble	Solid	DI Leach	
890-8708-3	CS - 3	Soluble	Solid	DI Leach	
890-8708-4	CS - 4	Soluble	Solid	DI Leach	
890-8708-5	CS - 5	Soluble	Solid	DI Leach	
890-8708-6	CS - 6	Soluble	Solid	DI Leach	
890-8708-7	CS - 7	Soluble	Solid	DI Leach	
890-8708-8	CS - 8	Soluble	Solid	DI Leach	
MB 880-117329/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117329/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117329/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8708-1 MS	CS - 1	Soluble	Solid	DI Leach	
890-8708-1 MSD	CS - 1	Soluble	Solid	DI Leach	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 117340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8708-1	CS - 1	Soluble	Solid	300.0	117329
890-8708-2	CS - 2	Soluble	Solid	300.0	117329
890-8708-3	CS - 3	Soluble	Solid	300.0	117329
890-8708-4	CS - 4	Soluble	Solid	300.0	117329
890-8708-5	CS - 5	Soluble	Solid	300.0	117329
890-8708-6	CS - 6	Soluble	Solid	300.0	117329
890-8708-7	CS - 7	Soluble	Solid	300.0	117329
890-8708-8	CS - 8	Soluble	Solid	300.0	117329
MB 880-117329/1-A	Method Blank	Soluble	Solid	300.0	117329
LCS 880-117329/2-A	Lab Control Sample	Soluble	Solid	300.0	117329
LCSD 880-117329/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117329
890-8708-1 MS	CS - 1	Soluble	Solid	300.0	117329
890-8708-1 MSD	CS - 1	Soluble	Solid	300.0	117329

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 1

Date Collected: 08/21/25 09:30
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	117210	08/21/25 20:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117098	08/22/25 03:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117393	08/22/25 03:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			117350	08/21/25 20:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117208	08/21/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117310	08/21/25 20:56	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	117329	08/21/25 17:54	SMC	EET MID
Soluble	Analysis	300.0		1			117340	08/22/25 09:07	SMC	EET MID

Client Sample ID: CS - 2

Date Collected: 08/21/25 09:35
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	117210	08/21/25 20:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117098	08/22/25 03:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117393	08/22/25 03:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			117350	08/21/25 21:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117208	08/21/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117310	08/21/25 21:11	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117329	08/21/25 17:54	SMC	EET MID
Soluble	Analysis	300.0		1			117340	08/22/25 09:24	SMC	EET MID

Client Sample ID: CS - 3

Date Collected: 08/21/25 09:40
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-3
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	117210	08/21/25 20:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117098	08/22/25 03:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117393	08/22/25 03:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			117350	08/21/25 21:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117208	08/21/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117310	08/21/25 21:27	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117329	08/21/25 17:54	SMC	EET MID
Soluble	Analysis	300.0		1			117340	08/22/25 09:30	SMC	EET MID

Client Sample ID: CS - 4

Date Collected: 08/21/25 09:45
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-4
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			5.02 g	5 mL	117210	08/21/25 20:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117098	08/22/25 04:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117393	08/22/25 04:02	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 4

Date Collected: 08/21/25 09:45
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-4

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			117350	08/21/25 21:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117208	08/21/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117310	08/21/25 21:42	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	117329	08/21/25 17:54	SMC	EET MID
Soluble	Analysis	300.0		1			117340	08/22/25 09:36	SMC	EET MID

Client Sample ID: CS - 5

Date Collected: 08/21/25 09:50
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-5

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	117210	08/21/25 20:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117098	08/22/25 06:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117393	08/22/25 06:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			117350	08/21/25 21:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117208	08/21/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117310	08/21/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	117329	08/21/25 17:54	SMC	EET MID
Soluble	Analysis	300.0		1			117340	08/22/25 09:41	SMC	EET MID

Client Sample ID: CS - 6

Date Collected: 08/21/25 09:55
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	117210	08/21/25 20:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117098	08/22/25 06:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117393	08/22/25 06:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			117350	08/21/25 22:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117208	08/21/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117310	08/21/25 22:15	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117329	08/21/25 17:54	SMC	EET MID
Soluble	Analysis	300.0		1			117340	08/22/25 09:59	SMC	EET MID

Client Sample ID: CS - 7

Date Collected: 08/21/25 10:00
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	117210	08/21/25 20:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117098	08/22/25 06:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117393	08/22/25 06:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			117350	08/21/25 22:31	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117208	08/21/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117310	08/21/25 22:31	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Client Sample ID: CS - 7

Date Collected: 08/21/25 10:00
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	117329	08/21/25 17:54	SMC	EET MID
Soluble	Analysis	300.0		1			117340	08/22/25 10:04	SMC	EET MID

Client Sample ID: CS - 8

Date Collected: 08/21/25 10:05
Date Received: 08/21/25 11:46

Lab Sample ID: 890-8708-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	117210	08/21/25 20:30	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117098	08/22/25 07:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117393	08/22/25 07:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			117350	08/21/25 22:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117208	08/21/25 09:40	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117310	08/21/25 22:47	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117329	08/21/25 17:54	SMC	EET MID
Soluble	Analysis	300.0		1			117340	08/22/25 10:10	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8708-1
Project/Site: Maljamar Gas Plant
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Maljamar Gas Plant

Job ID: 890-8708-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8708-1	CS - 1	Solid	08/21/25 09:30	08/21/25 11:46	0.5
890-8708-2	CS - 2	Solid	08/21/25 09:35	08/21/25 11:46	0.5
890-8708-3	CS - 3	Solid	08/21/25 09:40	08/21/25 11:46	0.5
890-8708-4	CS - 4	Solid	08/21/25 09:45	08/21/25 11:46	0.5
890-8708-5	CS - 5	Solid	08/21/25 09:50	08/21/25 11:46	0.5
890-8708-6	CS - 6	Solid	08/21/25 09:55	08/21/25 11:46	0.5
890-8708-7	CS - 7	Solid	08/21/25 10:00	08/21/25 11:46	0.5
890-8708-8	CS - 8	Solid	08/21/25 10:05	08/21/25 11:46	0.5

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

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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@earthsys.net

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐

State of Project:

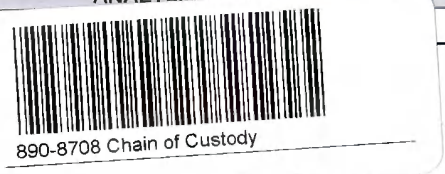
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Maljamar Gas Plant	**Turn Around**	
Project Number:	VP- 639	☐ Routine ☑ Rush	
Project Location:	Lea County, NM	Due Date:	Routine
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm	
PO/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-7.6
Total Containers:		Corrected Temperature:	-7.4

ANALYSIS REQUEST



Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH	Chloride	BTEX	TDS	Cation/ Anion	TCLP-Metals	TCLP- BTEX	TCLP- RCI		Hold	24 Hr Rush				Sample Comments
CS-1	S	8.21.25	9:30	0.5	Comp	1		X	X	X								X				Incident Number
CS-2	S	8.21.25	9:35	0.5	Comp	1		X	X	X								X				nAPP2516756421
CS-3	S	8.21.25	9:40	0.5	Comp	1		X	X	X								X				
CS-4	S	8.21.25	9:45	0.5	Comp	1		X	X	X								X				
CS-5	S	8.21.25	9:50	0.5	Comp	1		X	X	X								X				
CS-6	S	8.21.25	9:55	0.5	Comp	1		X	X	X								X				
CS-7	S	8.21.25	10:00	0.5	Comp	1		X	X	X								X				
CS-8	S	8.21.25	10:05	0.5	Comp	1		X	X	X								X				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			8/21 1146			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8708-1
SDG Number: Lea County, NM

Login Number: 8708
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8708-1
SDG Number: Lea County, NM

Login Number: 8708
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 08/21/25 08:29 PM

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

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

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507968
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2516756421**
Incident Name	**NAPP2516756421 MALJAMAR GAS PLANT @ FAPP2123229442**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2123229442] Frontier Field Services Gathering System**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Maljamar Gas Plant
Date Release Discovered	06/16/2025
Surface Owner	Private

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: High Line Pressure | Gas Plant | Crude Oil | Released: 5 BBL | Recovered: 3 BBL | Lost: 2 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	Cause: High Line Pressure | Gas Plant | Condensate | Released: 5 BBL | Recovered: 3 BBL | Lost: 2 BBL.
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.*

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507968
	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	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@kinetik.com Date: 09/22/2025

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507968
	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 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 100 (ft.)
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	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	260
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1660
GRO+DRO (EPA SW-846 Method 8015M)	197
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	08/13/2025
On what date will (or did) the final sampling or liner inspection occur	08/21/2025
On what date will (or was) the remediation complete(d)	08/27/2025
What is the estimated surface area (in square feet) that will be reclaimed	2000
What is the estimated volume (in cubic yards) that will be reclaimed	20
What is the estimated surface area (in square feet) that will be remediated	2000
What is the estimated volume (in cubic yards) that will be remediated	20
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507968
	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	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@kinetik.com Date: 09/22/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507968
	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 (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507968
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**497029**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/21/2025**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**1000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2000
What was the total volume (cubic yards) remediated	20
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	2000
What was the total volume (in cubic yards) reclaimed	20
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: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@kinetik.com Date: 09/22/2025

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QUESTIONS (continued)

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507968
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 507968
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/1/2025