

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

Kris Williams

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





Figure 1 - Site Map



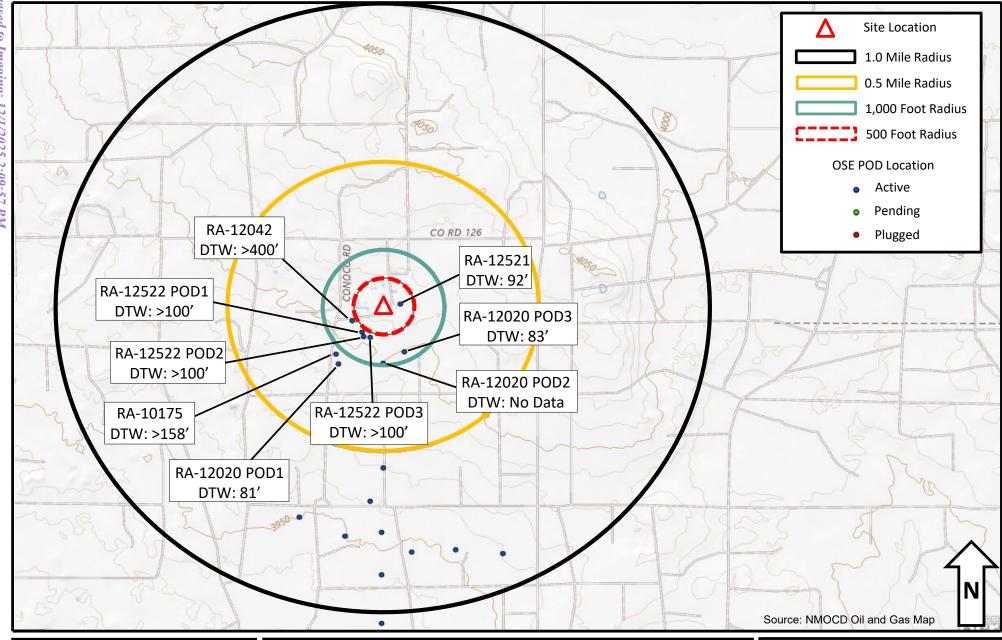




Figure 1A – Ground Water





Figure 1B - Karst Potential



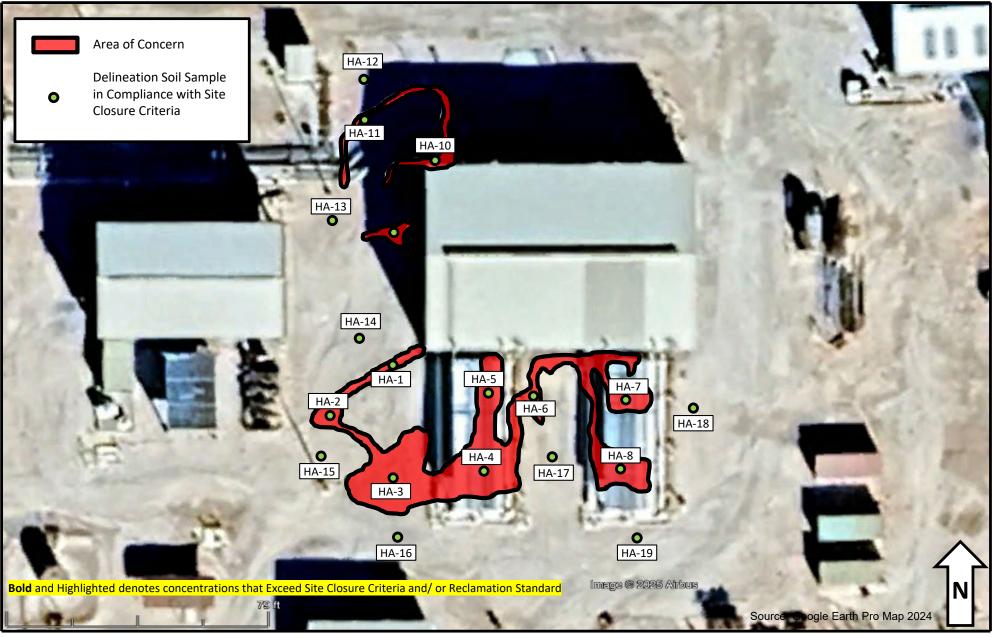




Figure 2 – Delineation Soil Sample Locations



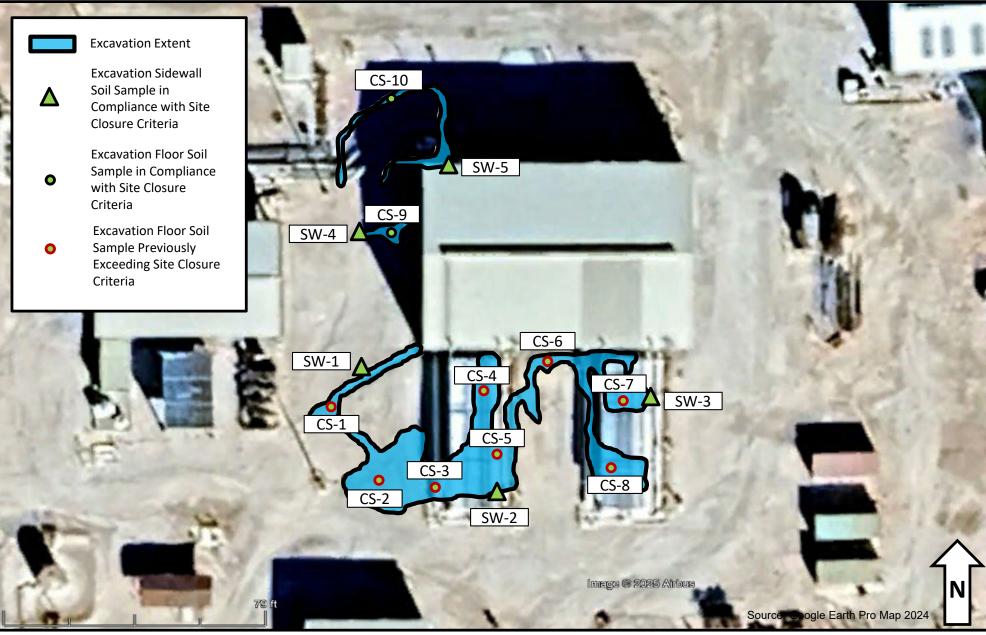




Figure 3 – Excavation Soil Sample Locations







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<u></u>	OSE POD NO.	(WELL NO.	.)	WELL TAG ID NO.		OSE FILE NO(S).			
NO	MW-24		PODI			RA-12521				
OCATI	WELL OWNE Phillips 66	ER NAME(S)	1021_		PHONE (OPTIONAL) 918-914-3846					
VELL LO	WELL OWNE 420 S Keel		ADDRESS 708-01 Phillips Bu	ilding)		CITY STATE Bartlesville OK			ZIP 74003	
GENERAL AND WELL LOCATION	WELL LOCATION (FROM GP.	S) LON	TTUDE NGITUDE				REQUIRED: ONE TEN			
1. GF	DESCRIPTIO Maljamar (IG WELL LOCATION TO	STREET ADDRESS AND COMMON LAND	MARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE		
	LICENSE NO. WD-1		NAME OF LICENSED	DRILLER John W. White			NAME OF WELL DR White D	ILLING COMPANY Orilling Company, Inc		
	DRILLING ST 07/21/2		DRILLING ENDED 07/26/2017	DEPTH OF COMPLETED WELL (FT) 105.0	, , , , , , , , , , , , , , , , , , , ,					
Z	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL IN COMPLETED WELL 92.0						
\TIC	DRILLING FI	LUID:	✓ AIR	MUD ADDITIVES – SPI	ECIFY:			:		
RM,	DRILLING M	ETHOD:	ROTARY	HAMMER CABLE TOOL	ОТНЕ	R - SPECIFY:				
DRILLING & CASING INFORMATION	DEPTH (feet bgl) FROM TO DIAM (inches)			(include each casing string, and		ASING VECTION YPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)	
r CA	0.0	75.0	7 7/8	Sch. 40 PVC Riser		ing diameter) ireads	2.0	1/4"		
VG &	75.0	105.0	7 7/8	Sch. 40 PVC Screen	Ti	nreads	2.0	1/4" 1755	.020	
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DRI								1707	Z 12 1 7 2	
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									1.7)	
	DEPTH (feet bgl)	BORE HOLE	LIST ANNULAR SEAL MA	ATERIAL A	ND	AMOUNT	метно	D OF	
IAL	FROM TO DIAM. (inches)			GRAVEL PACK SIZE-RANGE BY INTERVAL			(cubic feet)	PLACEN		
TER	0.0	65.0	7 7/8	Portland Grout			8 Bags	Pump Mix w/l		
MA	65.0	72.0	7 7/8	Bentonite Chip		2 Bags	Hand Mix			
ANNULAR MATERIAL	72.0	105.0	7 7/8	8/16 Sand			13 Bags	Hand I	Mix	
3. AN										
FOR	OSE INTERI	NAL USE	D* 0)	POD NO.		WR-20		& LOG (Version 06/3	0/17)	

WELL TAG ID NO.

PAGE 1 OF 2

LOCATION

	DEPTH (:	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (feet) (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 VN	
	7.0	10.0	3	Reddish brown clayey sa	nd	Y VN	
	10.0	18.0	8.0	Light brown sand/sandst		Y /N	
	18.0	34.0	16.0	Reddish brown sand/sands		Y /N	
د.	34.0	40.0	6.0	Dark reddish brown silty shale Ho		Y VN	
/ELI	40.0	42.0	2.0	Reddish brown and brown sa		Y /N	
4. HYDROGEOLOGIC LOG OF WELL	42.0	49.0	7.0	Reddish brown silty sha		Y VN	
96	49.0	53.0	4.0	Greenish gray sand/sands		Y VN	
CLC	53.0	70.0	17.0	Purple brown silty sandst		Y VN	
OGI	70.0	85.0	15.0	Light brown sand/sandst		Y √ N	
00	85.0	101.0	16.0			✓ Y N	
50				Green gray silty sandstone Da			
KDR	101.0	105.0	4.0	Gray silty sandstone/sha	lle	✓ Y N	
#.					 -	Y N	
				***		Y N	
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	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	f	TAL ESTIMATED ELL YIELD (gpm):	0.00
	PUMI		IR LIFT	BAILER OTHER – SPECIFY:	**	ELL TIELD (gpin).	0.00
NON	WELL TES			ACH A COPY OF DATA COLLECTED DURING ME, AND A TABLE SHOWING DISCHARGE AN			
	MISCELLA	NEOUS INF	ORMATION:	drocarbon present in soil			
ER			Hy	drocarbon present in soil			
SOI							
RG							
TEST; RIG SUPERVIS							
5. TE			RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVI	SION OF WELL CONSTR	RUCTION OTHER TH	AN LICENSEE:
٠,	William B. Atkins						
	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND						
RE							
Ę/	THE TELEVISION WITHIN 30 DATS ATTER CONFESTION OF WELL DRILLING.						
SIGNATURE	8/8/2017						
6.8							
	/	SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
FOF	FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 06/30/2017)						
	E NO.			POD NO.	TRN NO.		
Loc	CATION			•	WWW. W. C. W. N. C.		PAGE 2 OF 2





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

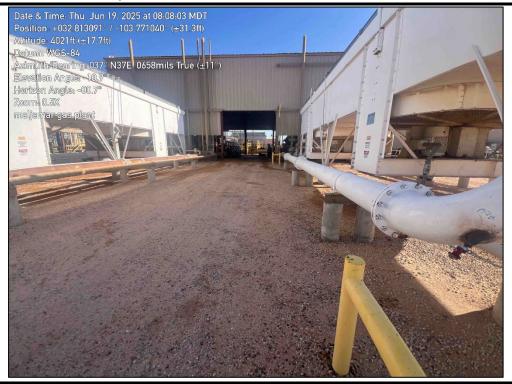


PHOTO 2: Northeastern view during initial site assessment. 6/19/2025





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



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



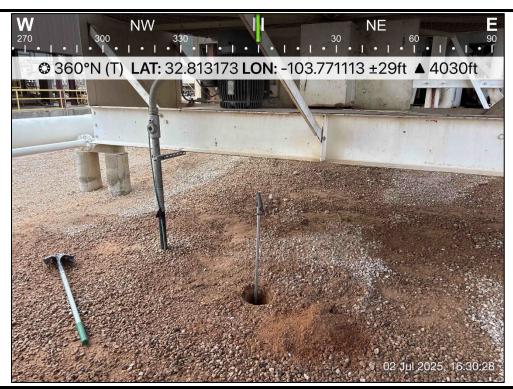


PHOTO 5: Northern view during delineation activities. 7/2/2025



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



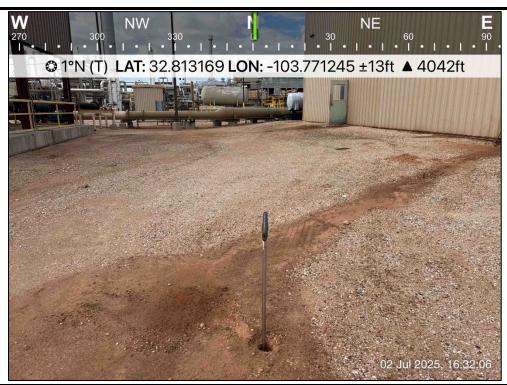


PHOTO 7: Northern view during delineation activities. 7/2/2025



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





PHOTO 9: Northern view during delineation activities. 7/3/2025



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



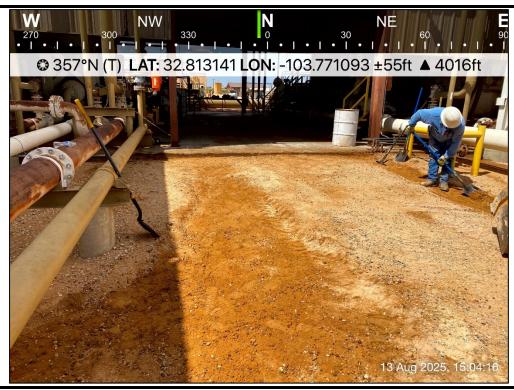


PHOTO 11: Northern view during excavation activities. 8/13/2025



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





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



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





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

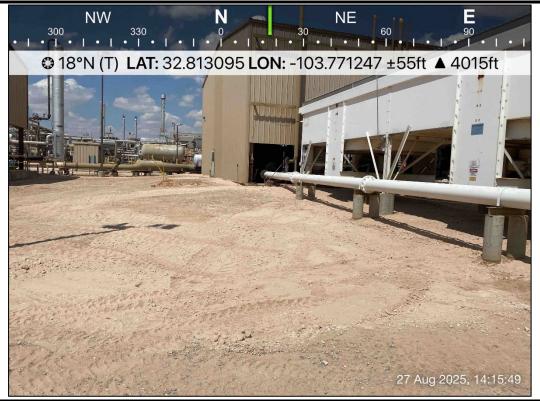


PHOTO 16: Northeastern view following restoration activities. 8/27/2025

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



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 Closur		ls Impacted by a	10	50	NE	NE	NE	100	600
Release (NMAC 19.15.29) 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 - nAPP25167				
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



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



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
	Date	(leet bys)	(ilig/kg)	(ilig/kg)	(ilig/kg)	(ilig/kg)	(ilig/kg)	(ilig/kg)	(ilig/kg)
	NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			50	NE	NE	NE	100	600
				Confirmation Soil	Samples - nAPP2516	756421			
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

 ${\tt BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes}$

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

 $Concentrations in {\color{red} \textbf{bold}} \ and {\color{red} \textbf{highlighted}} \ exceed the NMOCD \ Table \ I \ Closure \ Criteria \ and/or \ Reclamation \ Standard^{\ddagger} \ for Soils \ Impacted \ by \ a \ Release$

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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 478778

QUESTIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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				

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 478778

CONDITIONS

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

CONDITIONS

Created By		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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 478779

QUESTIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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	

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CONDITIONS

Action 478779

CONDITIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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

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

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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:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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

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

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

CONDITIONS

Action 493234

CONDITIONS

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

CONDITIONS

Created		Condition Date
soroz	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
soroz	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

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 497029

QUESTIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 497029

CONDITIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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

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



Eurofins Carlsbad

Job Notes

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

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

Authorization

Brisma Tel

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

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

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

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

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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Job ID: 890-8383-1

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

DFR 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

Decision Level Concentration (Radiochemistry) DLC

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

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

MDL Method Detection Limit 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

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

TNTC Too Numerous To Count

Eurofins Carlsbad

Job ID: 890-8383-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Maljamar Gas Plant

Eurofins Carlsbad Job ID: 890-8383-1

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 (890-8383-7), 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.

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.

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 - 1

Date Collected: 07/02/25 13:00

Date Received: 07/07/25 08:30 Sample Depth: 0.5

Lab Sample ID: 890-8383-1

Matrix: Solid

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 <0.00399 U Total BTEX 0.00399 mg/Kg 07/08/25 12:03

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 U 49.9 07/08/25 11:50 mg/Kg

Analyte	Result	Qualifier	RL	MDL Un	it	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg	g/Kg		07/08/25 08:04	07/08/25 11:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg	g/Kg		07/08/25 08:04	07/08/25 11:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg	g/Kg		07/08/25 08:04	07/08/25 11:50	1
Surrogato	% Pocovory	Ouglifier	Limite				Propared	Analyzod	Dil Esc

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 Dil Fac Prepared Analyzed 10.1 07/08/25 13:40 Chloride 141 mg/Kg

Client Sample ID: HA - 2 Lab Sample ID: 890-8383-3 Date Collected: 07/02/25 13:10 **Matrix: Solid**

Sample Depth: 0.5

Date Received: 07/07/25 08:30

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

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 - 2

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

Sample Depth: 0.5

Lab Sample ID: 890-8383-3

Matrix: Solid

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Lab Sample ID: 890-8383-5 Client Sample ID: HA - 3

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 Toluene <0.00202 U 0.00202 07/08/25 09:43 07/08/25 12:44 mg/Kg Ethylbenzene <0.00202 U 0.00202 07/08/25 09:43 07/08/25 12:44 mg/Kg 0.00404 07/08/25 12:44 m-Xylene & p-Xylene <0.00404 U 07/08/25 09:43 mg/Kg o-Xylene <0.00202 U 0.00202 mg/Kg 07/08/25 09:43 07/08/25 12:44 Xylenes, Total <0.00404 U 0.00404 mg/Kg 07/08/25 09:43 07/08/25 12:44

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

Eurofins Carlsbad

Matrix: Solid

Client Sample Results

RL

50.0

50.0

50.0

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Client: Earth Systems Response and Restoration

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<50.0 U

<50.0 U

<50.0 U

%Recovery Qualifier

134 S1+

Result Qualifier

113 F1

115

Job ID: 890-8383-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Client Sample ID: HA - 3

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

Sample Depth: 0.5

Gasoline Range Organics

Diesel Range Organics (Over

Oil Range Organics (Over C28-C36)

Analyte

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

Analyte

Chloride

(GRO)-C6-C10

Lab Sample ID: 890-8383-5

Matrix: Solid

Dil Fac Prepared Analyzed 07/08/25 08:04 07/08/25 12:49 07/08/25 08:04 07/08/25 12:49

Prepared Analyzed Dil Fac 07/08/25 08:04 07/08/25 12:49 07/08/25 08:04 07/08/25 12:49

07/08/25 12:49

D Dil Fac Prepared Analyzed 07/08/25 13:55

07/08/25 08:04

Client Sample ID: HA - 4 Lab Sample ID: 890-8383-7 Date Collected: 07/02/25 13:30 **Matrix: Solid**

RL

9.94

Date Received: 07/07/25 08:30

Sample Depth: 0.5

Method: SW846 8021B - Vo	latile Organic Comp	ounds (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 - Tota	II D I EY CAIC	culation						
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 Rang	ge Organ	ics (DRO) (G	C)					
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

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

Lab Sample ID: 890-8383-7

Client Sample ID: HA - 4

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

Sample Depth: 0.5

Matrix: Solid

Job ID: 890-8383-1

SDG: Lea County, NM

Method: EPA 300.0 - Anions, Ion Ch							
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

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	
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 - 1	Total BTEX Cald	culation							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00400		RL 0.00400	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/08/25 13:25	
Analyte Total BTEX	<0.00400	U	0.00400	MDL		<u>D</u>	Prepared		
Analyte	<0.00400	U	0.00400			D	Prepared		1
Analyte Total BTEX Method: SW846 8015 NM - Diese	<0.00400	ics (DRO) (Qualifier	0.00400 GC)		mg/Kg		<u> </u>	07/08/25 13:25	Dil Fac Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	<0.00400 el Range Organ Result <50.0	Uics (DRO) (O	0.00400 GC) RL 50.0		mg/Kg Unit		<u> </u>	07/08/25 13:25 Analyzed	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	<0.00400 el Range Organ Result <p><50.0</p> sel Range Organ	Uics (DRO) (O	0.00400 GC) RL 50.0	MDL	mg/Kg Unit		<u> </u>	07/08/25 13:25 Analyzed	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00400 el Range Organ Result <p><50.0</p> sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00400 GC) RL 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	07/08/25 13:25 Analyzed 07/08/25 13:18	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00400 el Range Organ Result <p><50.0</p> sel Range Orga Result	ics (DRO) (Outline DRO) Qualifier U nics (DRO) Qualifier U	0.00400 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	07/08/25 13:25 Analyzed 07/08/25 13:18 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00400 el Range Organ Result <50.0 sel Range Orga Result <550.0	ics (DRO) (Outline DRO) Qualifier U nics (DRO) Qualifier U	0.00400 RL 50.0 (GC) RL 50.0	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 07/08/25 08:04	07/08/25 13:25 Analyzed 07/08/25 13:18 Analyzed 07/08/25 13:18	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00400 el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	0.00400 RL 50.0 (GC) RL 50.0 50.0	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 07/08/25 08:04 07/08/25 08:04	07/08/25 13:25 Analyzed 07/08/25 13:18 Analyzed 07/08/25 13:18 07/08/25 13:18	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<0.00400 el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	ics (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	0.00400 RL 50.0 (GC) RL 50.0 50.0 50.0	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 07/08/25 08:04 07/08/25 08:04	07/08/25 13:25 Analyzed 07/08/25 13:18 Analyzed 07/08/25 13:18 07/08/25 13:18	Dil Fac

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Analyzed 07/08/25 14:23

RL

10.1

MDL Unit

mg/Kg

D

Prepared

Result Qualifier

162

Analyte

Chloride

Dil Fac

Matrix: Solid

Lab Sample ID: 890-8383-11

Client Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8383-1 Project/Site: Maljamar Gas Plant 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

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 - 1	Total BTEX Cald	culation							
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
	•	ics (DRO) (GC)						
Method: SW846 8015 NM - Diese	Result	ics (DRO) (C	GC) RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
	•	ics (DRO) (C	GC)	MDL		<u>D</u>	Prepared		Dil Fac
Analyte	Result <49.9	ics (DRO) (Country of the Country of	RL 49.9	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte Total TPH	Result <49.9 sel Range Orga	ics (DRO) (Country of the Country of	RL 49.9	MDL	Unit mg/Kg	D	Prepared Prepared	Analyzed	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		Unit mg/Kg	_ =		Analyzed 07/08/25 13:33	1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U u U U U U U U U U U U U U U U U U U	GC) RL 49.9 (GC) RL		Unit mg/Kg	_ =	Prepared	Analyzed 07/08/25 13:33 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result <49.9	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier U	(GC) RL 49.9 (GC) RL 49.9		Unit mg/Kg Unit mg/Kg	_ =	Prepared 07/08/25 08:04	Analyzed 07/08/25 13:33 Analyzed 07/08/25 13:33	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	GC) RL 49.9 (GC) RL 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 07/08/25 08:04 07/08/25 08:04	Analyzed 07/08/25 13:33 Analyzed 07/08/25 13:33 07/08/25 13:33	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	GC) RL 49.9 (GC) RL 49.9 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04	Analyzed 07/08/25 13:33 Analyzed 07/08/25 13:33 07/08/25 13:33	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <49.9	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04 Prepared	Analyzed 07/08/25 13:33 Analyzed 07/08/25 13:33 07/08/25 13:33 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Control of the contro	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04 Prepared 07/08/25 08:04	Analyzed 07/08/25 13:33 Analyzed 07/08/25 13:33 07/08/25 13:33 Analyzed 07/08/25 13:33	Dil Fac 1 1 Dil Fac Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Control of the contro	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04 Prepared 07/08/25 08:04	Analyzed 07/08/25 13:33 Analyzed 07/08/25 13:33 07/08/25 13:33 Analyzed 07/08/25 13:33	1 1 1 Dil Fac 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)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(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				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limit
		1CO1	OTPH1	
b Sample ID	Client Sample ID	(70-130)	(70-130)	
0-8383-1	HA - 1	119	141 S1+	
0-8383-1 MS	HA - 1	127	138 S1+	
0-8383-1 MSD	HA - 1	133 S1+	137 S1+	
0-8383-3	HA - 2	118	137 S1+	
)-8383-5	HA - 3	115	134 S1+	
)-8383-7	HA - 4	122	141 S1+	
-8383-9	HA - 5	113	132 S1+	
)-8383-11	HA - 6	120	140 S1+	
S 880-113733/2-A	Lab Control Sample	73	77	
SD 880-113733/3-A	Lab Control Sample Dup	73	79	
880-113733/1-A	Method Blank	125	141 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

1

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

Lab Sample ID: LCS 880-113746/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 113737

Analysis Batch: 113737

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113746

	MB	MB							
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 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

MB MB

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113746

Prep Type: Total/NA

Prep Batch: 113746

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

LCS LCS

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-113746/2-A Client Sample ID: Lab Control Sample Dup

Analysis Batch: 113737

Matrix: Solid

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.1113 mg/Kg 111 70 - 130 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 0.200 m-Xylene & p-Xylene 0.2238 mg/Kg 112 70 - 130 35 0.100 0.1196 120 o-Xylene mg/Kg 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	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

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

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QC Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8383-1 Project/Site: Maljamar Gas Plant 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

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

MS MS

Surrogate	%Recovery	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

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

MSD MSD

Surrogate	%Recovery	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

MB MB

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

MB MB

Surrogate	%Recovery	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

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

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

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113733

Lab Sample ID: LCSD 880-113733/3-A

Matrix: Solid

Analysis Batch: 113767

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

C10-C28)

LCSD LCSD

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

Lab Sample ID: 890-8383-1 MS Client Sample ID: HA - 1

Matrix: Solid

Analysis Batch: 113767

Prep Type: Total/NA Analysis Batch: 113767 **Prep Batch: 113733**

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

C10-C28)

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

Lab Sample ID: 890-8383-1 MSD Client Sample ID: HA - 1 **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 113733

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

C10-C28)

	INISD	IVISD	
Surrogate	%Recovery	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

Client Sample ID: Method Blank

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113747/1-A

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 113757

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

Lab Sample ID: LCS 880-113747/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 113757

Spike LCS LCS %Rec Added %Rec Analyte Result Qualifier Unit D Limits

мв мв

Chloride 250 235.9 mg/Kg 94 90 - 110

Lab Sample ID: LCSD 880-113747/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 113757

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit

Chloride 250 239.6 mg/Kg 90 - 110

Lab Sample ID: 890-8383-5 MS Client Sample ID: HA - 3 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 113757

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

Lab Sample ID: 890-8383-5 MSD Client Sample ID: HA - 3 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 113757

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

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8383-1 Project/Site: Maljamar Gas Plant 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

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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

Job ID: 890-8383-1 Project/Site: Maljamar Gas Plant 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

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

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

Job ID: 890-8383-1

SDG: Lea County, NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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 Lab Sample ID: 890-8383-3

Date Collected: 07/02/25 13:10 Matrix: Solid

Date Received: 07/07/25 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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 Lab Sample ID: 890-8383-5 Date Collected: 07/02/25 13:20

Date Received: 07/07/25 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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 Lab Sample ID: 890-8383-7 Date Collected: 07/02/25 13:30 **Matrix: Solid**

Date Received: 07/07/25 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Eurofins Carlsbad

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Matrix: Solid

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

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

Lab Sample ID: 890-8383-9

Client Sample ID: HA - 5 Date Collected: 07/02/25 13:40

Date Received: 07/07/25 08:30

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Earth Systems Response and Restoration

Project/Site: 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

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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Received by OCD: 9/22/2025 1:05:14 PM

Environment Testing Xenco

Bill to: (if different)

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

Work Order Comments

Project Manager:	Gilbert Moreno	1			Bill to: (if different	t)													Work	Order	Comments		
	Earth Systems				Company Name	e:		Earth	Syste	ms					Pr	Program: UST/PST PRP Brownfields RRC Superfund							und 🗌
Address:	1910 Resource	e Ct.			Address:											State of Project:							
City, State ZIP:	Carlsbad, NM,	88220			City, State ZIP:										_ 1	Reporting: Level II Level III PST/UST TRRP Level IV							
Phone:	832-541-7719			Email:	gmoreno@ear	thsys.r	net								De	liveral	oles: E	DD		ADaF	PT 🗆 0	ther:	
Project Name:	Maljama	ar Gas I	Plant	-	urn Around	9		- 4					ANAL	YSIS F	REQUE	EQUEST Preservative Codes					es		
Project Number:	Iviagami	639		Pres.								None: NO	DI Wate	r: H₂O									
Project Location:	1020	ounty, I	M	Due Date:	Routine T	AT	Jour														Cool: Cool	MeOH:	/le
Sampler's Name:		ago Gir			day received by t										.						HCL: HC	HNO ₃ : I	IN
CC/WO#:		3			eived by 4:30pm	,	2														H₂SO₄: H₂	NaOH:	Na
SAMPLE RECEI	PT Temp I	Blank:	Ges No	Wet Ice:	(Pes No)	Parameters						890	0-8383	Chain o	f Cust	ody				H₃PO₄: HP		
Samples Received In	ntact: /Yes	No	Thermomet		Trucos		Iran									-1				1	NaHSO ₄ : N		
Cooler Custody Seal	s: Yes No	NA.	Correction I	Factor:	-c-2		Pa														Na ₂ S ₂ O ₃ : N		
Sample Custody Sea	als: Yes No	N/A	Temperatur	re Reading:	0.0												-	-			Zn Acetate		20
otal Containers:			Corrected T	remperature:	-0.2				Σ×	5		Rush	1 1								NaOH+Aso	orbic Acid: SA	
Sample Ider	ntification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	MN- HAI	Chloride-NM	BTEX-NM	Hold	24 Hr Ru									Sam	ple Commen	S
HA-	·1	S	7.2.25	13:00	0.5	Grab/	1	X	Х	Х											Inc	dent Numbe	-
HA-	1	S	7.2.25	13:05	2	Grab/	1	Х	Х	Х	Х										nAF	P251675642	1
HA-	-2	S	7.2.25	13:10	0.5	Grab/	1	Х	Х	Х													
HA-	-2	S	7.2.25	13:15	2	Grab/	1	Х	Х	Х	Х							_				1 1 1	
HA-	3	S	7.2.25	13:20	0.5	Grab/	1	Х	Х	Х													
HA-	-3	S	7.2.25	13:25	2	Grab/	1	X	Х	Х	Х							_					
HA-	4	S	7.2.25	13:30	0.5	Grab/	1	Х	Х	Х													
		S	7.2.25	13:35	2	Grab/	1	Х	X	Х	X												
HA-	4	3	1.2.25	13.33		0.00	_	-		_	-	-		1									

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.

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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:	

																_				www.	xerico.	COIII	rage_	4	_01	_
Project Manager:	Gilbe	rt Moreno	stems R&R			Bill to: (if differer	nt)													W	ork Ore	der Co	mments			
Company Name:	Earth	Systems	R&R			Company Nam	e:		Earth	n Syste	ems						Prog	am: U	ST/PS	T 🗌 P	RP 🗌 E	Brownfi	elds 🗌 RF	RC 🗌	Superfund	
Address:	1910	Resource	Ct.			Address:											State of Project:									
City, State ZIP:	Carls	bad, NM,	88220			City, State ZIP:							Reporting: Level II Level III PST/UST TRRP Level IV					- -								
Phone:	832-5	41-7719			Email:	gmoreno@ea	rthsys.r	net									Delive	erables	: EDE		Α	DaPT [□ Ot	her:		
Project Name:		Maljama	r Gas I	Plant		Furn Around								ANAI	LYSIS	REC	UEST						Prese	rvativ	e Codes	2
Project Number:			639		☑ Routine	Dung																N	one: NO		Ol Water: H ₂	0
Project Location:			Due Date:	Routine TAT															С	ool: Cool		меОН: Ме				
Sampler's Name: Santiago Giron			e day received by t eived by 4:30pm	day received by the lab, if																ICL: HC I ₂ S0 ₄ : H ₂		HNO₃: HN NaOH: Na				
SAMPLE RECE	IPT	Temp B	lank:	Yes No	Wet Ice:	Yes N		eters														Н	₃PO₄: HP			
Samples Received Intact Cooler Custody Seals:		Yes Yes No	No N/A	Thermomet				Param															laHSO ₄ : NA			
Sample Custody Se				Temperatur			_																n Acetate+	_	· 7n	- 1
Total Containers:		TCG NO			emperature:					Σ			_						-				laOH+Asco			-
Sample Ide	ntificati	on	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush										Samp	le Co	mments	
HA	-5		S	7.2.25	13:45	2	Grab/	1	Х	Х	Х	Х											Incid	dent N	lumber	
HA	-6		S	7.2.25	13:50	0.5	Grab/	1	Х	Х	Х												nAPF	2516	756421	
HA	- 6		S	7.2.25	13:55	2	Grab/	1	Х	Х	Х	Х														
							-			-				_								-				\dashv
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Total 200 7 / 6	010	200 8 / 6	U3U-		8RCRA	13PPM Teva	c 11 Δ	I Sh	Δc B	a Re	B Cc	l Ca	Cr. Cc	CII	Fo Ph	Ma	Mn I	/o Ni	KS	ο Δα	SiO- N	la Sr	TI Sn II	V/ 7r		1

Total 200.7 / 6010	200.8 /	6020:
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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.

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	3			4			
	5			6			
					R	levised Date: 08/25/2020 Rev. 2020.2	î.

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8383-1

SDG Number: Lea County, NM

List Source: Eurofins Carlsbad

Login Number: 8383 List Number: 1

Creator: Bruns, Shannon

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

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8383-1

SDG Number: Lea County, NM

List Source: Eurofins Midland

List Creation: 07/08/25 09:06 AM

Login Number: 8383 List Number: 2

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
sample custody seals, if present, are intact.	N/A	
ne cooler or samples do not appear to have been compromised or mpered with.	True	
amples were received on ice.	True	
poler Temperature is acceptable.	True	
poler Temperature is recorded.	True	
DC is present	True	
OC is filled out in ink and legible.	True	
OC is filled out with all pertinent information	True	
the Field Sampler's name present on COC?	True	
nere are no discrepancies between the containers received and the COC.	True	
imples are received within Holding Time (excluding tests with immediate s)	True	
mple containers have legible labels.	True	
ntainers are not broken or leaking.	True	
mple collection date/times are provided.	True	
propriate sample containers are used.	True	
ample bottles are completely filled.	True	
ample Preservation Verified.	N/A	
nere is sufficient vol. for all requested analyses, incl. any requested S/MSDs	True	
ontainers requiring zero headspace have no headspace or bubble is 6mm (1/4").	N/A	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 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



Eurofins Carlsbad

Job Notes

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

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

Authorization

Brianna Tel

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

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

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

Table of Contents

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8386-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

ğ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dilution Factor Dil Fac

Detection Limit (DoD/DOE) DΙ

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL **Practical Quantitation Limit**

Presumptive **PRES** QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Job ID: 890-8386-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Maljamar Gas Plant

Eurofins Carlsbad Job ID: 890-8386-1

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.

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

Job ID: 890-8386-1

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

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

SDG: Lea County, NM

Client Sample ID: HA - 7 Lab Sample ID: 890-8386-1 Date Collected: 07/02/25 14:00 Matrix: Solid

Date Received: 07/07/25 08:30 Sample Depth: 0.5

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 BT	EX - Total BTE	X Calculat	tion						
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	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	II	50.0		ma/Ka			07/08/25 17:35	

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		
_											

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	I	mg/Kg		07/08/25 08:04	07/08/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	ı	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, id	on 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

Job ID: 890-8386-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percent	t 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-Bromofluorobe	enzene (Surr)			
DFBZ = 1,4-Difluorobe	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

	Percent Surrogate Recovery (Acceptance Limits)							
	1CO1	OTPH1						
Client Sample ID	(70-130)	(70-130)						
HA - 7	119	141 S1+						
Lab Control Sample	73	77						
Lab Control Sample Dup	73	79						
Method Blank	125	141 S1+						
	HA - 7 Lab Control Sample Lab Control Sample Dup	Client Sample ID (70-130) HA - 7 119 Lab Control Sample 73 Lab Control Sample Dup 73	Client Sample ID (70-130) (70-130) HA - 7 119 141 S1+ Lab Control Sample 73 77 Lab Control Sample Dup 73 79					

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8386-1 Project/Site: Maljamar Gas Plant 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

	MB	MB							
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 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

MB MB

Surrogate	%Recovery 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

	Spike	LCS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery	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 Samp	le ID: Lab	Control	Sample D	up
--------------------	------------	---------	----------	----

Prep Type: Total/NA

Prep Batch: 113754

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

LCSD LCSD

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

Lab Sample ID: 890-8386-1 MS

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Matrix: Solid

Analysis Batch: 113739

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

Prep Batch: 113754

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

Prep Batch: 113754

Client Sample ID: HA - 7

Prep Type: Total/NA

QC Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8386-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

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

Lab Sample ID: 890-8386-1 MS Client Sample ID: HA - 7 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 113739

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	
	МС	MS								

Surrogate %Recovery 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									Prep Ba	tch: 1	13754
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

MSD MSD Surrogate %Recovery 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 **Client Sample ID: Method Blank Matrix: Solid** Prep Type: Total/NA **Prep Batch: 113733**

Analysis Batch: 113767

	MB	MB						
Analyte	Result	Qualifier	RL	MDL Uni	it 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

	MB MB				
Surrogate	%Recovery Quality	fier 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 **Client Sample ID: Lab Control Sample**

nalysia Bataby 112767

Matrix: Solid

Analysis Batch: 113767	Spike	LCS	LCS				%Rec	113733
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1236		mg/Kg		124	70 - 130	-
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1264		mg/Kg		126	70 - 130	
C10-C28)								

Eurofins Carlsbad

Prep Type: Total/NA

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

Lab Sample ID: LCSD 880-113733/3-A

Matrix: Solid

Matrix: Solid

C10-C28)

Analysis Batch: 113767

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113733

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 113767

Prep Batch: 113733

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

LCSD LCSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 70 - 130 73

79 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113748/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 113762

MB MB

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

Lab Sample ID: LCS 880-113748/2-A

Matrix: Solid

Analysis Batch: 113762

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

Lab Sample ID: LCSD 880-113748/3-A

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Client Sample ID: Lab Control Sample Dup

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analysis Batch: 113762

Matrix: Solid

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

Eurofins Carlsbad

Prep Type: Soluble

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 890-8386-1	Client Sample ID HA - 7	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
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

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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

Job ID: 890-8386-1 Project/Site: Maljamar Gas Plant 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

Lab Sample ID: 890-8386-1

Matrix: Solid

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Eurofins Carlsbad

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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	Progra	am	Identification Number	Expiration Date		
Texas	NELAI	ס	T104704400	06-30-26		
The following analyte	e are included in this reno	rt but the laboratory is a	not certified by the governing authori	ity. This list may include an		
The following analyte	s are included in this repo	it, but the laboratory is i	not certified by the governing authori	ity. Triis iist may moluue ai		
0 ,	does not offer certification	•	not certified by the governing authori	ity. Triis list may iliciude al		
0 ,	•	•	Analyte	ity. This list may include a		
for which the agency	does not offer certification		, , ,	ity. This list may include an		

Method Summary

Client: Earth Systems Response and Restoration

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Project/Site: Maljamar Gas Plant

Job ID: 890-8386-1

EET MID

EET MID

SDG: Lea County, NM

		- 3
Protocol	Laboratory	
SW846	EET MID	/
TAL SOP	EET MID	
SW846	EET MID	-
SW846	EET MID	5
EPA	EET MID	
SW846	EET MID	0

SW846

ASTM

Protocol References:

Method

Total BTEX

8015NM Prep

DI Leach

8015 NM 8015B NM

300.0

5035

8021B

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration

Project/Site: 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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Environment Testing

Chain of Custody

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

Work Order No:	
WOIR Older No.	

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Page

Project Manager: Gilbert Moreno			Bill to: (if different)											W	ork Ordei	r Comments																
Company Name: Earth Systems R&R Address: 1910 Resource Ct. City, State ZIP: Carlsbad, NM, 88220				Company Name: Address:				Earth Systems						Program: UST/PST PRP Brownfields RRC Superfund																		
														State of Proje	ect:																	
			City, State ZIP:	City, State ZIP:							Reporting: Level II _ Level III _ PST/UST _ TRRP _																					
Phone:	832-5	41-7719			Email:	gmoreno@ea	thsys.	net								Deliverables:	EDD 🗌	ADa	PT Other:													
Project Name:		Maljama	r Gas F	Plant	T	urn Around	E.L.							·	1010 DE	OLIERT			Preservative Codes													
Project Number:		(339		☑ Routine	Rush		Pres. Code						1111111		## 18	11 100 (14)		None: NO DI Water: H ₂ C													
Project Location:		Lea Co	ounty, N	IM	Due Date:	Routine T	AT												Cool: Cool MeOH: Me													
Sampler's Name: CC/WO #:		Santia	go Giro	on		day received by teived by 4:30pm	he lab, if							800.6					HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na													
SAMPLE RECEI	PT	Temp B	lank:	Yes No	Wet Ice:	Yes No		Parameters					<u> </u>	- 090-0	5386 Cn	ain of Custody			H ₃ PO ₄ . HP													
Samples Received In		Yes .		Thermomete	er ID:	TNMOO	2	пап											NaHSO₄: NABIS													
Cooler Custody Seals	s:	ls: Yes No (N/A) Temperature Readin		Temperature Reading:						ctor: - O - Z Reading: Ø				0,2		0,2				a.		-					-				Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Sea	als:																						Zn Acetate+NaOH: Zn									
otal Containers:						Corrected Temperature		-0.2				Z	_		40						NaOH+Ascorbic Acid: SAPC											
Sample Iden	ntification M		Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	0 5	TPH -NM	Chloride-NM	BTEX-NM Hold		24 Hr Rush						Sample Comments													
HA-	7		S	7.2.25	14:00	0.5	Grab/	1	Х	Х	Х								Incident Number													
HA-	7		S	7.2.25	14:05	4	Grab/	1	Х	Х	Х	Х							nAPP2516756421													
																+	+															
																,																
							-			-	-	-	 	-		- 		-														

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
· NN	Duns	7/7 830	2		
3	41		4		
5			6		

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 11:45:02 AM

JOB DESCRIPTION

Maljamar Gas Plant Lea County, NM

JOB NUMBER

890-8385-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization

Brisma Tel

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

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

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

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

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Job ID: 890-8385-1

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

74 Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NFG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Job ID: 890-8385-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Maljamar Gas Plant

Eurofins Carlsbad Job ID: 890-8385-1

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.

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

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

SDG: Lea County, NM

Lab Sample ID: 890-8385-1

Job ID: 890-8385-1

Matrix: Solid

Client Sample ID: HA - 8

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

Sample Depth: 0.5

Analyte

Chloride

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	
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:26	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:26	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/25 16:39	07/08/25 18:26	
o-Xylene	0.00209		0.00200		mg/Kg		07/08/25 16:39	07/08/25 18:26	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/25 16:39	07/08/25 18:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	85		70 - 130				07/08/25 16:39	07/08/25 18:26	
1,4-Difluorobenzene (Surr)	84		70 - 130				07/08/25 16:39	07/08/25 18:26	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
						_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fa
Analyte Total BTEX	Result < 0.00399			MDL	mg/Kg	D	Prepared	Analyzed 07/08/25 18:26	Dil Fa
Total BTEX	<0.00399	U	0.00399	MDL		<u>D</u>	Prepared		Dil Fa
Total BTEX Method: SW846 8015 NM - Diese	<0.00399	ics (DRO) (0.00399 GC)		mg/Kg	<u>D</u>	Prepared		
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00399 I Range Organ Result	ics (DRO) (Qualifier	0.00399 GC)			D	Prepared	07/08/25 18:26 Analyzed	Dil Fa
Total BTEX	<0.00399	ics (DRO) (Qualifier	0.00399 GC)		mg/Kg	<u> </u>		07/08/25 18:26	
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00399 I Range Organ Result <49.9	ics (DRO) (Qualifier	0.00399 GC) RL 49.9		mg/Kg	<u> </u>		07/08/25 18:26 Analyzed	
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	<0.00399 I Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier	0.00399 GC) RL 49.9	MDL	mg/Kg	<u> </u>		07/08/25 18:26 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00399 I Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00399 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	07/08/25 18:26 Analyzed 07/08/25 17:20	Dil Fa
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00399 I Range Organ Result <p><49.9</p> sel Range Orga Result <49.9	ics (DRO) (Qualifier U unics (DRO) Qualifier U	0.00399 RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 07/08/25 08:04	07/08/25 18:26 Analyzed 07/08/25 17:20 Analyzed 07/08/25 17:20	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00399 I Range Organ Result <49.9 sel Range Orga Result	ics (DRO) (Qualifier U unics (DRO) Qualifier U	0.00399 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	07/08/25 18:26 Analyzed 07/08/25 17:20 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00399 I Range Organ Result <p><49.9</p> sel Range Orga Result <49.9	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	0.00399 RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 07/08/25 08:04	07/08/25 18:26 Analyzed 07/08/25 17:20 Analyzed 07/08/25 17:20	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36)	<0.00399 I Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9	ics (DRO) (Qualifier U Qualifier U Qualifier U U U	0.00399 GC) RL 49.9 (GC) RL 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 07/08/25 08:04 07/08/25 08:04	07/08/25 18:26 Analyzed 07/08/25 17:20 Analyzed 07/08/25 17:20 07/08/25 17:20	
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	<0.00399 I Range Organ Result <p>49.9 Sel Range Orga Result 49.9 449.9</p>	ics (DRO) (Qualifier U Qualifier U Qualifier U U U	0.00399 RL 49.9 (GC) RL 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 07/08/25 08:04 07/08/25 08:04	07/08/25 18:26 Analyzed 07/08/25 17:20 Analyzed 07/08/25 17:20 07/08/25 17:20 07/08/25 17:20	Dil Fa

RL

10.1

Result Qualifier

74.7

MDL Unit

mg/Kg

D

Prepared

Analyzed

07/08/25 16:15

Dil Fac

Eurofins Carlsbad

3

4

6

8

10

10

13

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 Red
		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-Bromofluorobenz	ene (Surr)			
DFBZ = 1,4-Difluorobenze	ene (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

Eurofins Carlsbad

5

3

4

6

8

3

11

13

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

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

MB MB

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-113793/1-A

LCSD LCSD

Matrix: Solid

Analysis Batch: 113738

Prep Type: Total/NA

Prep Batch: 113793

	Бріке	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery	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

Prep Type: Total/NA Prep Batch: 113793

RPD %Rec

Analyte	Added	Result	Qualifier Unit	D %Red	Limits	RPD	Limit
Benzene	0.100	0.09426	mg/K	g 94	70 - 130	3	35
Toluene	0.100	0.09009	mg/K	g 90	70 - 130	1	35
Ethylbenzene	0.100	0.1008	mg/K	g 10°	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2038	mg/K	g 102	2 70 - 130	1	35
o-Xylene	0.100	0.1026	mg/K	g 103	3 70 - 130	1	35

Spike

LCSD LCSD

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

Lab Sample ID: 890-8385-1 MS

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Matrix: Solid

Analysis Batch: 113738

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

Prep Batch: 113793

•	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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

Eurofins Carlsbad

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

	Sample	Sample	эріке	INIO	IVIO				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

MS MS

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	93	70 - 130

Client Sample ID: HA - 8

Prep Type: Total/NA

Prep Batch: 113793

Lab Sample ID: 890-8385-1 MSD **Matrix: Solid**

Analysis Batch: 113738 Sample Sample Spike MSD MSD %Rec Result Qualifier RPD Limit Analyte babbA Result Qualifier %Rec Limits Unit Benzene <0.00200 U 0.100 0.09062 mg/Kg 91 70 - 130 2 35 Toluene <0.00200 0.100 0.08609 mg/Kg 86 70 - 130 2 35 Ethylbenzene <0.00200 0.100 0.09362 92 70 - 130 35 U mg/Kg 0.200 m-Xylene & p-Xylene < 0.00399 0.1873 mg/Kg 94 70 - 130 0 35 0.00209 0.100 0.09344 91 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	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

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

MB MB

Surrogate	%Recovery	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**

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

C10-C28)

Limits

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

LCS LCS

%Recovery Qualifier

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**

Lab Sample ID: LCSD 880-113733/3-A

Analysis Batch: 113767

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113733

1-Chlorooctane 73

70 - 130 o-Terphenyl 77 70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

Prep Type: Total/NA

Prep Batch: 113733

Analysis Batch: 113767 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 1204 120 70 - 1303 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1279 128

mg/Kg

C10-C28)

Surrogate

Matrix: Solid

LCSD LCSD

Surrogate	%Recovery	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 Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 113762

MB MB

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

Analysis Batch: 113762

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

Lab Sample ID: LCSD 880-113748/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 113762

Released to Imaging: 12/1/2025 2:09:57 PM

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

Eurofins Carlsbad

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 890-8385-1	Client Sample ID HA - 8	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 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 Pre	p 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 890-8385-1	Client Sample ID HA - 8	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
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

Released to Imaging: 12/1/2025 2:09:57 PM

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

Job ID: 890-8385-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Client Sample ID: HA - 8

Date Received: 07/07/25 08:30

Date Collected: 07/02/25 14:15

Lab Sample ID: 890-8385-1 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			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	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Job ID: 890-8385-1

SDG: Lea County, NM

tocol	Laboratory
846	EET MID
SOP	EET MID
846	FET MID

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

Matrix

Solid

Client: Earth Systems Response and Restoration

Client Sample ID

Project/Site: Maljamar Gas Plant

HA - 8

Lab Sample ID

890-8385-1

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

Received

07/07/25 08:30

Depth

0.5

Collected

07/02/25 14:15

Xenco

Chain of Custody Environment Testing

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 N	lo:	

www.xenco.com

Project Manager:	Gilbe	ert Moreno				Bill to: (if different	1)										Work Order Comments							
Company Name:	Earth	Systems I	R&R			Company Name			Earth Systems					Program:	UST/PS	T \square P	RP 🗌 E	3rowr	nfields 🗍 RF	C Superfund				
Address:	1910	Resource	Ct.			Address:				State of Project:														
City, State ZIP:	Carls	bad, NM, 8	38220			City, State ZIP:														rel III	PST	T/UST TR	RP Level IV	
Phone:	832-5	541-7719			Email	gmoreno@ear	thsys.n	et									Deliverable	es: EDE			DaPT	T 🗆 Ot	ner:	
Project Name:		Maljama	r Gas F	Plant		Turn Around				7				ANAI	LYSIS R	REC	QUEST					Prese	vative Codes	
Project Number:			339	iunt_	✓ Routine	Rush		Pres. Code								11.00	(8)10 1011 1011 100					ne: NO	DI Water: H ₂ O	
Project Location:		Lea Co		JM	Due Date:	Routine T	ΔT	Coue								Ш						ol: Cool	MeOH: Me	
Sampler's Name:			go Giro			e day received by the										Ш			diti.			L: HC	HNO ₃ : HN	
CC/WO#:						eived by 4:30pm		15														50 ₄ : H ₂	NaOH: Na	
SAMPLE RECEI	PT	Temp BI	ank:	Yes No	Wet Ice:	(Yes) No		neters				-			890-8	38	5 Chain of C	Sustody				PO₄. HP		
Samples Received In	ntact:	Yes	No	Thermomet	ter ID:	(Nmo	07	Param										-				⊿HSO₄: NA		19
Cooler Custody Seal	s:			Correction		-0.2		ď														Na ₂ S ₂ O ₃ : Na		75
Sample Custody Sea	ils:	Yes No	MA	Temperatur		0					_			_		-		+				Zn Acetate+	NaOH: Zn rbic Acid: SAPC	17
Total Containers:				Corrected 7	emperature:	1-0.2	-		_	N.	Σ		Rush									NaOH+ASCC	TDIC ACIO. SAFC	g
Sample Ider	itificat	ion	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Ru									Samp	le Comments	Page
HA-	8		S	7.2.25	14:15	0.5	Grab/	1	Х	Х	X											Incid	lent Number	
HA-	88		S	7.2.25	14:20	4	Grab/	1	Х	Х	Х	Х						-				nAPI	2516756421	
Total 200.7 / 60		200.8 / 60		zed	8RCRA	13PPM Texas	s 11 A	Sb	As B	a Be	ВС	Ca	Cr Co	Cu	Fe Pb	Mg	g Mn Mo	Ni K S	e Ag			Sr TI Sn U / 245.1 / 747		

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

Relinguished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
oh No	Dun X "	7/7 850	2		
3			4		
5			6		Perised Date: 08/25/2020 Rev. 2020

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8385-1

SDG Number: Lea County, NM

List Source: Eurofins Carlsbad

Login Number: 8385 List Number: 1

Creator: Bruns, Shannon

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
ls 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	

Released to Imaging: 12/1/2025 2:09:57 PM

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8385-1

SDG Number: Lea County, NM

List Source: Eurofins Midland

List Creation: 07/08/25 09:06 AM

Login Number: 8385 List Number: 2

Creator: Vasquez, Julisa

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

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 11:46:01 AM

JOB DESCRIPTION

Maljamar Gas Plant Lea County, NM

JOB NUMBER

890-8389-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization

Brisma Tel

Generated 7/10/2025 11:46:01 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: 890-8389-1 SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8389-1 Project/Site: Maljamar Gas Plant 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

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present **PQL Practical Quantitation Limit**

PRES Presumptive

QC

Quality Control RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Job ID: 890-8389-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Maljamar Gas Plant

Eurofins Carlsbad Job ID: 890-8389-1

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 reanalysis 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.

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

Client: Earth Systems Response and Restoration

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

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8389-1

07/08/25 08:04

Prepared

D

07/08/25 17:50

Analyzed

07/08/25 16:26

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

Client Sample ID: HA-9

Matrix: Solid

Sample Depth: 0.5

Method: SW846 8021B - Volatile	Organic Comp	ounds (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
Total BTEX	<0.00404 el Range Organ		0.00404 GC)		mg/Kg			07/08/25 18:03	1
		Qualifier	•	MDI	11!4	_	Danasa	Amalomad	D!! E
Analyte Total TPH			RL 49.8	WIDL	Unit mg/Kg	D	Prepared	Analyzed 07/08/25 17:50	Dil Fac
Method: SW846 8015B NM - Dies Analyte		nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/08/25 08:04	07/08/25 17:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/08/25 08:04	07/08/25 17:50	1
C10-C28)									
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
Surrogate 1-Chlorooctane		Qualifier	Limits 70 - 130				Prepared 07/08/25 08:04	Analyzed 07/08/25 17:50	Dil Fac

Client Sample ID: HA-10 Lab Sample ID: 890-8389-3

RL

9.94

MDL Unit

mg/Kg

70 - 130

Result Qualifier

137

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Sample Depth: 0.5

o-Terphenyl

Analyte

Chloride

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)		S1+	70 - 130				07/08/25 09:43	07/08/25 18:23	

Eurofins Carlsbad

Dil Fac

Matrix: Solid

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

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

Sample Depth: 0.5

Lab Sample ID: 890-8389-3

Matrix: Solid

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

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

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

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

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

Lab Sample ID: 890-8389-5 Client Sample ID: HA-11

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 Toluene <0.00198 U 0.00198 07/08/25 09:43 07/08/25 18:44 mg/Kg Ethylbenzene <0.00198 U 0.00198 07/08/25 09:43 07/08/25 18:44 mg/Kg 07/08/25 18:44 m-Xylene & p-Xylene <0.00397 U 0.00397 07/08/25 09:43 mg/Kg o-Xylene <0.00198 U 0.00198 mg/Kg 07/08/25 09:43 07/08/25 18:44 Xylenes, Total <0.00397 U 0.00397 mg/Kg 07/08/25 09:43 07/08/25 18:44

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

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

Eurofins Carlsbad

Matrix: Solid

Client: Earth Systems Response and Restoration

Job ID: 890-8389-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Client Sample ID: HA-11

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

Sample Depth: 0.5

Analyte

Chloride

Lab Sample ID: 890-8389-5

Analyzed

07/08/25 16:37

Matrix: Solid

	5
Dil Fac	
1	

Dil Fac

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

RL

10.1

MDL Unit

mg/Kg

D

Prepared

Result Qualifier

78.8

Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8389-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

•			
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8389-1	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-Bromofluorobenz	zene (Surr)		
DFBZ = 1,4-Difluorobenze	ene (Surr)		

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Lim
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-8389-1	HA-9	118	134 S1+	
390-8389-3	HA-10	129	147 S1+	
390-8389-5	HA-11	130	147 S1+	
.CS 880-113733/2-A	Lab Control Sample	73	77	
.CSD 880-113733/3-A	Lab Control Sample Dup	73	79	
ИВ 880-113733/1-A	Method Blank	125	141 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Earth Systems Response and Restoration

Job ID: 890-8389-1 Project/Site: Maljamar Gas Plant 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

	МВ								
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 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

MB MB

Surrogate	%Recovery	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

	Бріке	LCS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery Q	ualifier	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

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.1113 mg/Kg 111 70 - 130 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 0.200 m-Xylene & p-Xylene 0.2238 mg/Kg 112 70 - 130 35 0.100 0.1196 120 70 - 130 o-Xylene mg/Kg 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1.4-Difluorobenzene (Surr)	90		70 - 130

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)

MD MD

141 S1+

Lab Sample ID: MB 880-113733/1-A

Matrix: Solid

o-Terphenyl

Matrix: Solid

Analysis Batch: 113767

Analysis Batch: 113767

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113733

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 07:59	07/08/25 09:13	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				07/08/25 07:59	07/08/25 09:13	1

70 - 130

07/08/25 07:59

Client Sample ID: Lab Control Sample

07/08/25 09:13

Prep Type: Total/NA

Prep Batch: 113733

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

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

Lab Sample ID: LCSD 880-113733/3-A

Lab Sample ID: LCS 880-113733/2-A

Matrix: Solid

Analysis Batch: 113767

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

Prep Batch: 113733

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

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113748/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 113762

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

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant SDG: L

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

2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-113748/2-A

Client Sample ID: Lab Control Sample
Matrix: Solid

Prep Type: Soluble

Analysis Batch: 113762

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

Lab Sample ID: LCSD 880-113748/3-A

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Prep Type: Soluble

Analysis Batch: 113762

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

6

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12

13

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8389-1 Project/Site: Maljamar Gas Plant 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 Batcl
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 890-8389-1	Client Sample ID HA-9	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 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

Job ID: 890-8389-1 Project/Site: Maljamar Gas Plant 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

SDG: Lea County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-8389-1

Matrix: Solid

Job ID: 890-8389-1

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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 Lab Sample ID: 890-8389-3

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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 Lab Sample ID: 890-8389-5

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 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

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

Eurofins Carlsbad

Matrix: Solid

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	thority Program		Identification Number	Expiration Date	
Texas	NELAF)	T104704400	06-30-26	
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t may include analytes	
		,	, , ,	,	
for which the agency do	oes not offer certification.				
for which the agency do	Prep Method	Matrix	Analyte		
ů ,		Matrix Solid	Analyte Total TPH		

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
3015NM 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	De
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

Received by OCD: 9/22/2025 1:05:14 PM

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

eurofins

Xenco

Environment Testing

Chain of Custody

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



www.xenco.com

Project Manager:	Gilbert	t Moreno		Bill to: (if different)													W	ork O	rder C	Comments											
Company Name:	Earth :	Systems	R&R			Company Name	e:		Earth	Syste	ems						Progr	am: U	ST/PS	T 🗌 P	RP	Brow	nfields 🗌 RRC 📗 Superfund								
Address:	1910 F	Resource	Ct.			Address:												of Pro													
City, State ZIP:	Carlsb	ad, NM, 8	88220			City, State ZIP:										Reporting: Level II															
Phone:	832-54	41-7719			Email:	gmoreno@ear	rthsys.r	et								Deliverables: EDD ☐ ADaPT ☐ O					T Other:										
Project Name:		Maljama	r Gas F	Plant	1	Turn Around								ANALYSIS REQUEST					Preservative Codes												
Project Number:			539		✓ Routine	Rush	Pres.		Drop		Pres.																None: NO DI Water: H				
Project Location:			Routine T	AT																Cool: Cool MeOH: Me											
Sampler's Name: CC/WO #:		Santia	igo Giro	on		day received by theived by 4:30pm	y received by the lab, if		ved by the lab, if		received by the lab, if		y received by the lab, if		lay received by the lab, if				1												HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEI			Yes No	Wet Ice:	Yes No	See No See See See See See See See See See Se															-	H ₃ PO ₄ : HP									
Samples Received Ir	ntact:	(Ŷ)s	No	Thermomet	er ID:	Threez		Param															NaHSO₄: NABIS								
Cooler Custody Seal	s:	Yes No	DY A	Correction F	actor:	-0.2																	Na ₂ S ₂ O ₃ : NaSO ₃								
Sample Custody Sea	ls:	Yes No	(N/A	Temperatur	e Reading:	0.0																	Zn Acetate+NaOH: Zn								
Total Containers:				Corrected T	emperature:	10.2				Z			4					- 1	-				NaOH+Ascorbic Acid: SAPC								
Sample Iden	ntification Matrix		Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM		Chloride-I	Hold	24 Hr Rush										Sample Comments								
HA-	9		S	7.3.25	13:25	0.5	Grab/	1	Х	Х	Х												Incident Number								
HA-	9		S	7.3.25	13:30	2	Grab/	1	Х	Х	Х	Х											nAPP2516756421								
HA-1	0		S	7.3.25	13:35	0.5	Grab/	1	Х	Х	Х																				
HA-1	0		S	7.3.25	13:40	2	Grab/	1	Х	Х	Х	Х																			
HA-1	1		S	7.3.25	13:45	0.5	Grab/	1	Х	Х	Х																				
HA-1	1		S	7.3.25	13:50	2	Grab/	1	Х	Х	Х	Х																			
																						7									
Total 200.7 / 60	10	200.8 / 60	020:		8RCRA	13PPM Texas	s 11 A	l Sb	As B	a Be	B Co	Ca	Cr Co	Cu	Fe P	b Mg	Mn I	/lo Ni	K Se	e Ag	SiO ₂	Na S	Br TI Sn U V Zn								

Hg: 1631 / 245.1 / 7470 / 7471

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

Relipquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
·N M	Celul	8:30 8/7	2		
3			4		
5		(6	6		Pavised 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

List Source: Eurofins Carlsbad

Login Number: 8389 List Number: 1

Creator: Lopez, Abraham

	•	.
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
ls 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	
ppropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8389-1

SDG Number: Lea County, NM

List Source: Eurofins Midland

List Creation: 07/08/25 09:06 AM

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

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno Earth Systems Response and Restoration 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

Eurofins Carlsbad

Job Notes

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

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

Authorization

Brianna Tel

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

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

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

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

Laboratory Job ID: 890-8384-1 SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Job ID: 890-8384-1

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

Listed under the "D" column to designate that the result is reported on a dry weight basis

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Job ID: 890-8384-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Maljamar Gas Plant

Eurofins Carlsbad Job ID: 890-8384-1

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.

Job ID: 890-8384-1

Matrix: Solid

Lab Sample ID: 890-8384-1

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Client Sample ID: HA-12

Date Collected: 07/03/25 13:55 Date Received: 07/07/25 08:30

Sample Depth: 0.5

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 - 1	Total BTEX Cald	culation							
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
•					mg/Kg			07/08/25 14:06	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						·
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte	Result <49.9	ics (DRO) (Qualifier	GC) RL 49.9	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier	GC) RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.9 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC) RL 49.9		Unit mg/Kg		<u> </u>	Analyzed 07/08/25 13:47	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result Result Result Result 49.9 49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 07/08/25 08:04	Analyzed 07/08/25 13:47 Analyzed 07/08/25 13:47	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.9 sel Range Organ Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL		Unit mg/Kg		Prepared	Analyzed 07/08/25 13:47	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.9 sel Range Orga Result 49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/08/25 08:04 07/08/25 08:04	Analyzed 07/08/25 13:47 Analyzed 07/08/25 13:47 07/08/25 13:47	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Result Result Result 49.9 49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 07/08/25 08:04	Analyzed 07/08/25 13:47 Analyzed 07/08/25 13:47	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9 %Recovery	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04 Prepared	Analyzed 07/08/25 13:47 Analyzed 07/08/25 13:47 07/08/25 13:47 07/08/25 13:47 Analyzed	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 49.9 (GC) RL 49.9 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04	Analyzed 07/08/25 13:47 Analyzed 07/08/25 13:47 07/08/25 13:47	Dil Fac

Date Received: 07/07/25 08:30

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

85.5

Sample Depth: 0.5

Analyte

Chloride

Client Sample ID: HA-13 Lab Sample ID: 890-8384-2 Date Collected: 07/03/25 14:00 **Matrix: Solid**

RL

10.1

MDL Unit

mg/Kg

D

Prepared

Analyzed

07/08/25 14:53

Dil Fac

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)			70 - 130				07/08/25 09:43	07/08/25 14:26	1

Client Sample Results

Client: Earth Systems Response and Restoration

Client Sample ID: HA-13

Date Collected: 07/03/25 14:00

Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1 SDG: Lea County, NM

Lab Sample ID: 890-8384-2

Matrix: Solid

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	

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	 	<u> </u>	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

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 Qual		MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.4	9.96	mg/Kg			07/08/25 15:00	1

Lab Sample ID: 890-8384-3 Client Sample ID: HA-14

Date Collected: 07/03/25 14:05 Date Received: 07/07/25 08:30

Sample Depth: 0.5

Method: SW846 8021B -	M-1-4!1- O	0 (00)

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

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL Un	it	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398	mc	ı/Ka			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

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Matrix: Solid

Client: Earth Systems Response and Restoration

Job ID: 890-8384-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Cli

Da Date Received: 07/07/25 08:30

Sample Depth: 0.5

lient Sample ID: HA-14	Lab Sample ID: 890-8384-3
ate Collected: 07/03/25 14:05	Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Dil Fac Analyte RL Unit D Prepared Analyzed <49.6 U 07/08/25 08:04 Gasoline Range Organics 49.6 mg/Kg 07/08/25 14:17 (GRO)-C6-C10 07/08/25 08:04 Diesel Range Organics (Over <49.6 U 49.6 07/08/25 14:17 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.6 U 49.6 mg/Kg 07/08/25 08:04 07/08/25 14:17 %Recovery Qualifier Limits Dil Fac Prepared Analyzed Surrogate 07/08/25 08:04 1-Chlorooctane 70 - 130 07/08/25 14:17 123 o-Terphenyl 140 S1+ 70 - 130 07/08/25 08:04 07/08/25 14:17 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit D Dil Fac RL Prepared Analyzed

Chloride 93.9 10.1 mg/Kg 07/08/25 15:07 Client Sample ID: HA-15 Lab Sample ID: 890-8384-4

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 07/08/25 09:43 07/08/25 15:07 mg/Kg Toluene <0.00198 U 0.00198 07/08/25 09:43 07/08/25 15:07 mg/Kg Ethylbenzene <0.00198 U 0.00198 07/08/25 09:43 07/08/25 15:07 mg/Kg <0.00397 U 0.00397 07/08/25 09:43 07/08/25 15:07 m-Xylene & p-Xylene mg/Kg o-Xylene 07/08/25 15:07 <0.00198 U 0.00198 mg/Kg 07/08/25 09:43 Xylenes, Total <0.00397 U 0.00397 mg/Kg 07/08/25 09:43 07/08/25 15:07 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 4-Bromofluorobenzene (Surr) 142 S1+ 70 - 130 07/08/25 09:43 07/08/25 15:07 1,4-Difluorobenzene (Surr) 79 70 - 130 07/08/25 09:43 07/08/25 15:07 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
<u> </u>									
Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (G	C)						
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 - Dies	sel Range Orga	nics (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

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Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

SDG: Lea County, NM

Job ID: 890-8384-1

Client Sample ID: HA-15

Date Collected: 07/03/25 14:10 Date Received: 07/07/25 08:30

Sample Depth: 0.5

Lab Sample ID: 890-8384-4

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 9.96 07/08/25 15:14 Chloride 74.7 mg/Kg

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

Analyte

Total BTEX

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: SW846 8015 NM - Diesel F	Range Organi	cs (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/l			07/08/25 16:23	1

0.00402

<0.00402 U

RL

MDL Unit

mg/Kg

Prepared

Analyzed

07/08/25 16:41

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 16:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/08/25 08:04	07/08/25 16:23	1
C10-C28)									
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 C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		10.1		mg/Kg			07/08/25 15:21	1

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Dil Fac

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1 SDG: Lea County, NM

Lab Sample ID: 890-8384-6

Client Sample ID: HA-17

Date Collected: 07/03/25 14:20 Date Received: 07/07/25 08:30

Sample Depth: 0.5

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 - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH							•	,u., _ u	Diriac
- -	<49.7	U	49.7		mg/Kg		<u>.</u>	07/08/25 16:37	
	sel Range Orga	nics (DRO)	(GC)			<u> </u>		07/08/25 16:37	1
Analyte	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	07/08/25 16:37 Analyzed	Dil Fac
Analyte Gasoline Range Organics	sel Range Orga	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>		07/08/25 16:37	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	Prepared	07/08/25 16:37 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Orga Result <49.7	nics (DRO) Qualifier U	(GC) RL 49.7	MDL	Unit mg/Kg	<u>D</u>	Prepared 07/08/25 08:04	07/08/25 16:37 Analyzed 07/08/25 16:37	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.7 <49.7	nics (DRO) Qualifier U	(GC) RL 49.7	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 07/08/25 08:04 07/08/25 08:04	07/08/25 16:37 Analyzed 07/08/25 16:37 07/08/25 16:37	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.7 <49.7	nics (DRO) Qualifier U	(GC) RL 49.7 49.7 49.7	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04	07/08/25 16:37 Analyzed 07/08/25 16:37 07/08/25 16:37 07/08/25 16:37	Dil Face 1 1 1 Dil Face
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	nics (DRO) Qualifier U	(GC) RL 49.7 49.7 49.7 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04 Prepared	07/08/25 16:37 Analyzed 07/08/25 16:37 07/08/25 16:37 07/08/25 16:37 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	DRO) Qualifier U U Qualifier S1+	(GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04 Prepared 07/08/25 08:04	07/08/25 16:37 Analyzed 07/08/25 16:37 07/08/25 16:37 Analyzed 07/08/25 16:37	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga Result <49.7 <49.7 <49.7 **Recovery 119 142 Chromatograp	DRO) Qualifier U U Qualifier S1+	(GC) RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 07/08/25 08:04 07/08/25 08:04 07/08/25 08:04 Prepared 07/08/25 08:04	07/08/25 16:37 Analyzed 07/08/25 16:37 07/08/25 16:37 Analyzed 07/08/25 16:37	Dil Face

Client Sample ID: HA-18

Date Collected: 07/03/25 14:35

Date Received: 07/07/25 08:30

Sample Depth: 0.5

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

Eurofins Carlsbad

Lab Sample ID: 890-8384-9

Matrix: Solid

3

5

7

10

12

13

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

Date Collected: 07/03/25 14:35 Date Received: 07/07/25 08:30

Sample Depth: 0.5

Lab Sample ID: 890-8384-9

Matrix: Solid

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

Surrogate	%Recovery Qualifie		Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85	70 - 130	07/08/25 09:43	07/08/25 17:22	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398 U	0.00398	ma/Ka			07/08/25 17:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (0	н						
	ı	Mothod: CIMOAC OOAE NIM	Discal Bangs	Organica	(DDO)		١.
	н	MELITOU. SYVO40 OUTS INIVI-	· Diesei Kaliue	Organics	IURUI	uu	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		ma/Ka			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

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

Lab Sample ID: 890-8384-12 **Client Sample ID: HA-19 Matrix: Solid**

Date Collected: 07/03/25 14:50 Date Received: 07/07/25 08:30

Sample Depth: 0.5

ı	Method: SW846 8021B	Valatila Ossasia	O = (OO)

Analyte	Result	Qualifier	RL	MDL I	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	1	mg/Kg		07/08/25 09:43	07/08/25 17:43	1
Toluene	<0.00198	U	0.00198	1	mg/Kg		07/08/25 09:43	07/08/25 17:43	1
Ethylbenzene	<0.00198	U	0.00198	ı	mg/Kg		07/08/25 09:43	07/08/25 17:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	1	mg/Kg		07/08/25 09:43	07/08/25 17:43	1
o-Xylene	<0.00198	U	0.00198	ı	mg/Kg		07/08/25 09:43	07/08/25 17:43	1
Xylenes, Total	<0.00396	U	0.00396	1	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
4.4.000	00		70 400				07/00/05 00 40	07/00/05 47 40	

Surrogate	%Recovery	Quaimer	Limits	Prepared	Analyzea	DII 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

Client Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8384-1 Project/Site: Maljamar Gas Plant 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

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			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	Chromatograp	hy - Solubl	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8384-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8384-1	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				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance I
		1001	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-8384-1	HA-12	117	137 S1+	
90-8384-2	HA-13	119	138 S1+	
90-8384-3	HA-14	123	140 S1+	
90-8384-4	HA-15	121	140 S1+	
90-8384-5	HA-16	121	143 S1+	
90-8384-6	HA-17	119	142 S1+	
0-8384-9	HA-18	122	141 S1+	
0-8384-12	HA-19	119	137 S1+	
CS 880-113733/2-A	Lab Control Sample	73	77	
CSD 880-113733/3-A	Lab Control Sample Dup	73	79	
B 880-113733/1-A	Method Blank	125	141 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Pro	rep Type: Total/NA
Pr	rep Batch: 113746

	IVID	IVID							
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 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

MB MB

MD MD

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-113746/1-A **Matrix: Solid**

Analysis Batch: 113737

Prep Type: Total/NA

Prep Batch: 113746

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

LCS LCS

Surrogate	%Recovery	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

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

LCSD LCSD

Surrogate	%Recovery	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

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

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

LCS LCS %Recovery Qualifier Limits Surrogate 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

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

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

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

Dil Fac

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

Lab Sample ID: LCS 880-113747/2-A

Lab Sample ID: LCSD 880-113747/3-A

Lab Sample ID: MB 880-113748/1-A

Lab Sample ID: LCS 880-113748/2-A

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analyte

Chloride

Analyte

Chloride

Analyte

Chloride

Analysis Batch: 113757

Analysis Batch: 113757

Analysis Batch: 113762

QC Sample Results

Spike

Added

250

Spike

Added

250

LCS LCS

LCSD LCSD

Result Qualifier

235.9

239.6

Result Qualifier

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Method: 300.0 - Anions, Ion Chromatography (Continued)

Job ID: 890-8384-1 SDG: Lea County, NM

Prep Type: Soluble

RPD

RPD

Limit

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

%Rec

Limits

90 - 110

%Rec

%Rec

96

94

D

D

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 110

Client Sample ID: Method Blank

Prep Type: Soluble

мв мв Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <10.0 U 10.0 07/08/25 13:47 mg/Kg

Unit

Unit

mg/Kg

mg/Kg

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analysis Batch: 113762 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits

250.2 Chloride 250 100 90 - 110 mg/Kg Lab Sample ID: LCSD 880-113748/3-A

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

Analysis Batch: 113762

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

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8384-1 Project/Site: Maljamar Gas Plant 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

Job ID: 890-8384-1 Project/Site: Maljamar Gas Plant 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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

Lab Sample ID: 890-8384-2

Matrix: Solid

Date Collected: 07/03/25 14:00 Date Received: 07/07/25 08:30

Client Sample ID: HA-13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 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

Lab Chronicle

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Client Sample ID: HA-15

Lab Sample ID: 890-8384-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 890-8384-1

SDG: Lea County, NM

Date Collected: 07/03/25 14:10 Date Received: 07/07/25 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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 Lab Sample ID: 890-8384-5

Date Collected: 07/03/25 14:15 Date Received: 07/07/25 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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 Lab Sample ID: 890-8384-6

Date Collected: 07/03/25 14:20 Date Received: 07/07/25 08:30

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.95 g 5 mL 113746 07/08/25 09:43 MNR EET MID Total/NA 8021B 5 mL 5 mL 113737 07/08/25 17:02 MNR **EET MID** Analysis 1 Total BTEX Total/NA Analysis 1 113782 07/08/25 17:02 SA **EET MID** Total/NA Analysis 8015 NM 113891 07/08/25 16:37 SA **EET MID** 1 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 uL 1 uL 113767 07/08/25 16:37 TKC EET MID 1 Soluble Leach DI Leach 5.02 g 50 mL 113747 07/08/25 09:49 SI **EET MID** Soluble Analysis 300.0 113757 07/08/25 15:29 CS EET MID 1

Client Sample ID: HA-18 Lab Sample ID: 890-8384-9

Date Collected: 07/03/25 14:35 Date Received: 07/07/25 08:30

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g 1 uL	10 mL 1 uL	113733 113767	07/08/25 08:04 07/08/25 16:51	EL TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8384-9

Client Sample ID: HA-18

Matrix: Solid

Job ID: 890-8384-1

SDG: Lea County, NM

Date Collected: 07/03/25 14:35 Date Received: 07/07/25 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Lab Sample ID: 890-8384-12

Date Collected: 07/03/25 14:50 **Matrix: Solid**

Date Received: 07/07/25 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Job ID: 890-8384-1

SDG. Lea County, NW

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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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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Project Manager:	Gilbert I	Moreno				Bill to: (if differen	t)													W	ork Or	der C	omments		
Company Name:	Earth Sy	ystems I	R&R			Company Name	e:		Earth	Syste	ems						Progra	ım: US	T/PS	Т 🔲 Р	RP[]	Brown	fields 🗌 RR	C 🗌 Supe	fund 🗌
Address:	1910 Re	esource	Ct.			Address:											State	of Proj	ect:						
City, State ZIP:	Carlsba	d, NM, 8	88220			City, State ZIP:											Report	ing: Le	vei II	Lev	el III] PST	/UST TRE	RP Lev	rel IV
Phone:	832-541	I-7719			Email:	gmoreno@eai	rthsys.r	<u>ret</u>									Delive	ables:	EDD			ADaPT	□ Oth	er:	
Project Name:	N	/laljama	r Gas F	Plant		urn Around			200	130				ANAI	YSIS	REQI	JEST						Preser	vative Cod	les
Project Number:			339		☑ Routine	Rush		Pres. Code															None: NO	DI Wat	er: H₂O
Project Location:		Lea Co	ounty, N	IM	Due Date:	Routine I	AT_																Cool: Cool	MeOH	Me
Sampler's Name:			go Giro			day received by t	he lab, if																HCL: HC	HNO ₃ :	HN
CC/WO #:					rece	eived by 4:30pm		2															H ₂ S0 ₄ : H ₂	NaOH:	Na
SAMPLE RECEI	PT	Temp Bl	lank:	Yes No	Wet Ice:	(res) No		Parameters	<u> </u>					_				-+					H₃PO₄: HP		
Samples Received In	ntact:	Yes	No	Thermomet	er ID:	TNU07		ran															NaHSO₄: NA	BIS	
Cooler Custody Seal	s: Y	es No	N/A	Correction F	actor:	-0.2		g.													-	-	Na ₂ S ₂ O ₃ : Na	SO₃	
Sample Custody Sea	ils: Y	es No	MTA	Temperatur	e Reading:	.0.0																	Zn Acetate+N	laOH: Zn-	
Total Containers:				Corrected T	emperature:	-U.B				Z			ų.								1		NaOH+Ascor	bic Acid: SA	(PC
Sample Iden	tification		Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	PloH	24 Hr Rush										Sampl	e Commei	nts
HA-1	2		S	7.3.25	13:55	0.5	Grab/	1	Х	Х	Х												Incid	ent Numb	er
HA-1	3		S	7.3.25	14:00	0.5	Grab/	1	Х	Х	Х												nAPP	251675642	21
HA-1	4		S	7.3.25	14:05	0.5	Grab/	1	Х	Х	Х														
HA-1	5		S	7.3.25	14:10	0.5	Grab/	1	Х	Х	Х														
HA-1	6		S	7.3.25	14:15	0.5	Grab/	1	Х	Х	Χ														
HA-1	7		S	7.3.25	14:20	0.5	Grab/	1	Х	Х	Х														
HA-1	7		S	7.3.25	14:25	2	Grab/	1	Х	Х	Х	Х													
HA-1	7		S	7.3.25	14:30	4	Grab/	1	Х	Х	Х	Х													
HA-1	8		S	7.3.25	14:35	0.5	Grab/	1	Х	Х	Х														
Total 200 7 / 60	10 20	00.8 / 60	120.		8RCRA	13PPM Tevas	2 11 Δ	i Sh	Δs R	a Re	B. Cd	Ca	Cr Co	CII	Fe P	. Ma	Mn M	lo Ni	K Se	Aa	SiO	Na S	r TI Sn U	V Zn	

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

Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
· Kn/	alish	8:31 7/7	2		
3			4		
5			6		ovised Date: 08/25/2020 Rev. 2020

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Project Manager:	Gilbe	Gilbert Moreno Bill to: (if different)																		W	ork O	rder C	Comments		
Company Name:	Earth	Systems	R&R			Company Name).		Earth	Syste	ems						Progr	am: U	ST/PS	T 🗌 P	RP[]	RP Brownfields RRC Superfund			
Address:	1910 Resource Ct.					Address:											State		-						
City, State ZIP:	Carls	bad, NM,	88220			City, State ZIP:											Repor	ting: L	evel II	Lev	el III [_ PS1	r/ust ☐ TRR	P Level IV	
Phone:	832-5	41-7719			Email:	gmoreno@ear	thsys.r	net									Delive	rables	: EDD			ADaP	⊺ ☐ Othe	r:	
Project Name:		Maljama	ar Gas F	Plant	Т	urn Around	1				-/			ANAI	LYSIS	REQ	UEST						Preserv	ative Codes	
Project Number:			639		☑ Routine	Rush		Pres. Code															None: NO	DI Water: H ₂ O	
Project Location:		Lea Co	ounty, N	IM	Due Date:	Routine T	AT																Cool: Cool	MeOH: Me	
Sampler's Name:			ago Giro		TAT starts the	day received by the	ne lab, if																HCL: HC	HNO ₃ : HN	
CC/WO #:					rec	eived by 4:30pm		55															H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECE	IPT	Temp B	Blank:	Yes No	Wet Ice:	(Pes) No		Parameters					_		-	-	-			_		-	H₃PO₄: HP		
Samples Received I	ntact:	Yes	No	Thermomet	er ID:	TNU07		Lan															NaHSO₄: NAB	IS	
Cooler Custody Sea	ls:	Yes No	NIA	Correction F	actor:	-0.2		P.															Na ₂ S ₂ O ₃ : NaS	O ₃	
Sample Custody Sea	als:	Yes No	MA	Temperatur	e Reading:	- O. U																-	Zn Acetate+Na	aOH: Zn	
Total Containers:				Corrected T	emperature:	-U.B				Z			ų,										NaOH+Ascorb	ic Acid: SAPC	
Sample Ider	ntificat	ion	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	Х	Х	Х												Incide	nt Number	
HA-	13		S	7.3.25	14:00	0.5	Grab/	1	Х	Х	Х												nAPP2	516756421	
HA-	14		S	7.3.25	14:05	0.5	Grab/	1	Х	Х	Х														
HA-	15		S	7.3.25	14:10	0.5	Grab/	1	X	Х	Х														
HA-	16		S	7.3.25	14:15	0.5	Grab/	1	Х	Х	Х														
HA-	17		S	7.3.25	14:20	0.5	Grab/	1	Х	Х	Х														
HA-1	17		S	7.3.25	14:25	2	Grab/	1	Х	Х	Х	Х													
HA-1	17		S	7.3.25	14:30	4	Grab/	1	Х	Х	Х	Х													
HA-1	18		S	7.3.25	14:35	0.5	Grab/	1	X	Х	Х														
Total 200.7 / 60	010	200.8 / 6	020:		8RCRA	13PPM Texas	11 A	l Sb	As B	a Be	B Cd	Ca	Cr Cc	Cu	Fe P	b Mg	Mn N	/lo Ni	K S	e Ag	SiO ₂	Na S	r TI 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
· K 0	luh	8:31 7/7	2		
3			4		
5			6		

Received by OCD: 9/22/2025 1:05:14 PM

C*	
eurofins	

Environment Testing Xenco

Chain of Custody

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

Work Order No:	
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Page 2 of 2

Project Manager:	Gilber	rt Moreno				Bill to: (if different) Work Order Comments							Comments	Charles Service									
Company Name:	Earth	Systems	R&R			Company Name	e:		Earth	Syste	ems						Progra	am: US	T/PST	PR	P Brov	wnfields 🗌 RRC	Superfund [
Address:	1910 Resource Ct.				Address:												of Proje						
City, State ZIP:	Carlst	bad, NM,	88220			City, State ZIP:											Report	ing: Le	/el II]Level	III 🗌 PS	ST/UST TRR	P Level IV
Phone:	832-5	41-7719			Email:	gmoreno@ear	rthsys.r	net									Delive	rables:	EDD		ADal	PT Othe	er:
Project Name:		Maljama	r Gas F	Plant		Turn Around								ANA	LYSIS	REQU	JEST					Preserv	ative Codes
Project Number:			339	Tan it	☑ Routine	Rush		Pres. Code												T		None: NO	DI Water: H₂C
Project Location:		Lea Co	ounty, N	1M	Due Date:	Routine T	AT	Jude													-	Cool: Cool	MeOH: Me
Sampler's Name:			go Giro			e day received by the	he lab, if															HCL: HC	HNO ₃ : HN
CC/WO #:					rec	eived by 4:30pm		6														H ₂ S0 ₄ : H ₂	NaOH: Na
SAMPLE RECE	IPT	Temp B	lank:	Yes No	Wet Ice:	(Pes) No		Parameters			-						-	-+	-	-	-	H₃PO₄: HP	
Samples Received I	Intact:	Yes	No	Thermome	ter ID:	traco7		ran														NaHSO₄: NAE	
Cooler Custody Sea	ils:	s: Yes No N/A Correction I		Factor:	0.0		P						-					- -			Na ₂ S ₂ O ₃ : NaS	5O ₃	
Sample Custody Se	als:	Yes No	o N/A Temperature Reading:			: -0.0												-	-	-		Zn Acetate+N	
Total Containers:				Corrected 7	10.2				Z			40									NaOH+Ascort	oic Acid: SAPC	
Sample Ide	ntificati	on	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	MN- HAL	Chloride-NM	BTEX-NM	Hold	24 Hr Rush									Sample	Comments
HA-	18		S	7.3.25	14:40	2	Grab/	1	Х	Х	Х	Х										Incide	nt Number
HA-	18		S	7.3.25	14:45	4	Grab/	1	Х	Х	Х	Х										nAPP2	2516756421
HA-	19		S	7.3.25	14:50	0.5	Grab/	1	Х	Х	X												
HA-	19		S	7.3.25	14:55	2	Grab/	1	Х	Х	X	Х											
HA-	19		S	7.3.25	15:00	4	Grab/	1	Х	Х	Х	Х											
Total 200.7 / 6	010	200.8 / 6	020.		8RCRA	13PPM Texas	s 11 A	Al Sh	As B	a Be	B Co	Ca	Cr. Co	Cυ	Fe Pi	Mo	Mn N	lo Ni	K Se	Aa S	O ₂ Na	Sr Tl Sn U \	/ 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
oh M	elel	9:70 7/7	2		
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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8384-1

SDG Number: Lea County, NM

List Source: Eurofins Carlsbad

Login Number: 8384 List Number: 1

Creator: Lopez, Abraham

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8384-1

SDG Number: Lea County, NM

List Source: Eurofins Midland

List Creation: 07/08/25 09:06 AM

Login Number: 8384 List Number: 2 Creator: Vasquez, Julisa

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

Released to Imaging: 12/1/2025 2:09:57 PM

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 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



Eurofins Carlsbad

Job Notes

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

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

Authorization

Brianna Tel

Generated 8/15/2025 12:43:43 PM

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

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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

Job ID: 890-8626-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	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**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

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) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

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

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Job ID: 890-8626-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Maljamar Gas Plant

Job ID: 890-8626-1 Eurofins Carlsbad

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.

Eurofins Carlsbad

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Client Sample ID: SW-1

Date Collected: 08/14/25 13:50

Date Received: 08/14/25 15:21 Sample Depth: 0-0.25

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8626-1

08/13/25 07:38

08/13/25 07:38

Prepared

D

08/15/25 02:59

08/15/25 02:59

Analyzed

08/15/25 09:53

Lab Sample ID: 890-8626-2

Matrix: Solid

Job ID: 890-8626-1

SDG: Lea County, NM

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Dil Fac

Matrix: Solid

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	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/14/25 21:00	08/15/25 04:55	
1,4-Difluorobenzene (Surr)	92		70 - 130				08/14/25 21:00	08/15/25 04:55	1
Method: TAL SOP Total BTEX - To Analyte		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 Organ	ics (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 - Diese	el Range Orga	nics (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	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 02:59	•
			50.0		malka		08/13/25 07:38	08/15/25 02:59	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		00/13/23 07.30	06/15/25 02.59	

70 - 130

70 - 130

RL

9.94

MDL Unit

mg/Kg

109

91

33.3

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: SW-2

Date Collected: 08/14/25 13:55 Date Received: 08/14/25 15:21

Sample Depth: 0-0.25

1-Chlorooctane

o-Terphenyl

Analyte

Chloride

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)			70 - 130				08/14/25 21:00	08/15/25 05:16	1

Job ID: 890-8626-1

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant SDG: Lea County,NM

Lab Sample ID: 890-8626-2

Client Sample ID: SW-2

Date Collected: 08/14/25 13:55 Date Received: 08/14/25 15:21

Sample Depth: 0-0.25

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

I Method: IAL SUPTOM DTEX - IOM DTEX C	Method: TAL SOP Total BTEX - Total BTEX Calculati	on

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) (0	н						
	ı	Mothod: CIMOAC ODAE NIM	Discal Banga	Organica	(DDO)		١.
	н	MELITOU. SYVO40 OUTS INIVI-	· Diesei Kaliue	Organics	IURUI	uu	

Analyte	Result Qu	ualifier 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 Rand	ge Organics	(DRO)	(GC)
Michiga. Offord out ob	ININ - Dieser Rang	ge Organics	(DitO)	(00)

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

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	8 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 Lab Sample ID: 890-8626-3

Date Collected: 08/14/25 14:00 Date Received: 08/14/25 15:21

Sample Depth: 0-0.25

н	Method: SW846 803	04D V-1-41-	O	
н	METHOD: SWX46 XII	71B - VOIATIIE	Organic Comp	Allinas (Gal.)

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
4.4.Diff	70		70 400			00/44/05 04 00	00/45/05 05 00	

4-Bromofluorobenzene (Surr)	110	70 - 130	08/14/25 21:00	1
1,4-Difluorobenzene (Surr)	73	70 - 130	08/14/25 21:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total BTEX	<0.00398		0.00398		mg/Kg			08/15/25 05:36	1

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

Analyte	Result	Qualifier	, RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.1		50.0	m	ıg/Kg			08/15/25 03:30	1

Eurofins Carlsbad

Matrix: Solid

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

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

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 Result Qualifier Analyte RLMDL Unit D Prepared Analyzed Dil Fac Chloride 16.1 10.0 mg/Kg 08/15/25 10:16

Lab Sample ID: 890-8626-4 Client Sample ID: SW-4 **Matrix: Solid**

Date Collected: 08/14/25 14:05 Date Received: 08/14/25 15:21

Sample Depth: 0-0.25

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 - 1	otal BTEX Cald	culation							
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 - Diese	l Range Organ	ics (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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		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	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 03:46	1
C10-C28)									
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
1-Cniorooctane	109		70 - 130				00/10/20 01:00	00, 10, 20 00. 10	,

Client: Earth Systems Response and Restoration

Job ID: 890-8626-1 Project/Site: Maljamar Gas Plant SDG: Lea County,NM

Lab Sample ID: 890-8626-4

Client Sample ID: SW-4 Date Collected: 08/14/25 14:05

Matrix: Solid

Date Received: 08/14/25 15:21 Sample Depth: 0-0.25

Method: EPA 300.0 - Anions, Ion Ch	romatograp	hy - 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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 06:17	
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 06:17	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 06:17	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/25 21:00	08/15/25 06:17	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 06:17	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/25 21:00	08/15/25 06:17	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	120		70 - 130				08/14/25 21:00	08/15/25 06:17	
1,4-Difluorobenzene (Surr)	87		70 - 130				08/14/25 21:00	08/15/25 06:17	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/15/25 06:17	
Method: SW846 8015 NM - Diese	al Range Organ	ics (DRO) ((GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			08/15/25 04:02	
Method: SW846 8015B NM - Die:	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 04:02	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 04:02	
C10-C28)	140.0		40.0				00/40/05 07:00	00/45/05 04:00	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/13/25 07:38	08/15/25 04:02	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	110		70 - 130				08/13/25 07:38	08/15/25 04:02	
o-Terphenyl	88		70 - 130				08/13/25 07:38	08/15/25 04:02	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
Allalyte		Qualifici					Trepared	Allalyzou	

Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8626-1 Project/Site: Maljamar Gas Plant SDG: Lea County,NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-8626-1	SW-1	113	92	
90-8626-2	SW-2	111	94	
90-8626-3	SW-3	110	73	
90-8626-4	SW-4	112	93	
90-8626-5	SW-5	120	87	
CS 880-116714/1-A	Lab Control Sample	107	99	
CSD 880-116714/2-A	Lab Control Sample Dup	112	97	
1B 880-116408/5-A	Method Blank	107	91	
1B 880-116714/5-A	Method Blank	109	86	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8626-1	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

Job ID: 890-8626-1 Project/Site: Maljamar Gas Plant 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

1

Dil Fac

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	
Toluene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/12/25 14:22	08/14/25 11:26	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/12/25 14:22	08/14/25 11:26	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/12/25 14:22	08/14/25 11:26	

MB MB

Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	107		70 - 130	
1,4-Difluorobenzene (Surr)	91		70 - 130	

08/12/25 14:22 08/14/25 11:26 08/12/25 14:22 08/14/25 11:26

Analyzed

Prepared

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 116714

мв мв

Lab Sample ID: MB 880-116714/5-A

Analyte	Result	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

MB MB

Surrogate	%Recovery	Qualifier	Limits	Pre	pared	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

Matrix: Solid

Analysis Batch: 116664

Analysis Batch: 116664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 116714**

	Spike	LCS	LCS				%Rec		
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
	0.100	0.09760		mg/Kg		98	70 - 130		
	0.100	0.09367		mg/Kg		94	70 - 130		
	0.100	0.09800		mg/Kg		98	70 - 130		
ylene	0.200	0.1933		mg/Kg		97	70 - 130		
	0.100	0.07996		mg/Kg		80	70 - 130		
	(ylene	Added 0.100 0.100 0.100 0.100 0.200	Added Result 0.100 0.09760 0.100 0.09367 0.100 0.09800 (ylene) 0.200 0.1933	Added Result Qualifier 0.100 0.09760 0.100 0.09367 0.100 0.09800 (ylene) 0.200 0.1933	Added Result Qualifier Unit 0.100 0.09760 mg/Kg 0.100 0.09367 mg/Kg 0.100 0.09800 mg/Kg (ylene) 0.200 0.1933 mg/Kg	Added Result Qualifier Unit D 0.100 0.09760 mg/Kg 0.100 0.09367 mg/Kg 0.100 0.09800 mg/Kg (ylene) 0.200 0.1933 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.09760 mg/Kg 98 0.100 0.09367 mg/Kg 94 0.100 0.09800 mg/Kg 98 (ylene 0.200 0.1933 mg/Kg 97	Added Result Qualifier Unit D %Rec Limits 0.100 0.09760 mg/Kg 98 70 - 130 0.100 0.09367 mg/Kg 94 70 - 130 0.100 0.09800 mg/Kg 98 70 - 130 Gylene 0.200 0.1933 mg/Kg 97 70 - 130	Added Result Qualifier Unit D %Rec Limits 0.100 0.09760 mg/Kg 98 70 - 130 0.100 0.09367 mg/Kg 94 70 - 130 0.100 0.09800 mg/Kg 98 70 - 130 Gylene 0.200 0.1933 mg/Kg 97 70 - 130

LCS LCS

Surrogate	%Recovery 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

	Бріке	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09951	mg/Kg		100	70 - 130	2	35

Eurofins Carlsbad

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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**

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

LCSD LCSD

Surrogate	%Recovery	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

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

MR MR

Surrogate	%Recovery (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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1011		mg/Kg		101	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	964.9		mg/Kg		96	70 - 130	
C10 C20)								

C10-C28)

LCS LCS

Surrogate	%Recovery	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	Sampl	e Dup
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Prep Type: Total/NA

Prep Batch: 116568

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1042		mg/Kg		104	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1006		mg/Kg		101	70 - 130	4	20
C10-C28)									

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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Batch: 116568

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

LCSD LCSD

Limits Surrogate %Recovery Qualifier 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

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 10.0 Chloride <10.0 U 08/15/25 08:56 mg/Kg

Lab Sample ID: LCS 880-116729/2-A

Matrix: Solid

Analysis Batch: 116739

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 235.1 94 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-116729/3-A

Matrix: Solid

Analysis Batch: 116739

RPD Spike LCSD LCSD %Rec Analyte Added Result Qualifier %Rec Limits RPD Limit Unit Chloride 250 235.1 94 90 - 110 20 mg/Kg

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	<u> </u>
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

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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

Job ID: 890-8626-1 Project/Site: Maljamar Gas Plant 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

Soluble

Soluble

Leach

Released to Imaging: 12/1/2025 2:09:57 PM

Analysis

DI Leach

300.0

Job ID: 890-8626-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Client Sample ID: SW-1 Lab Sample ID: 890-8626-1

Date Collected: 08/14/25 13:50 **Matrix: Solid** Date Received: 08/14/25 15:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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 Lab Sample ID: 890-8626-2

Date Collected: 08/14/25 13:55 Matrix: Solid Date Received: 08/14/25 15:21

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.97 g 5 mL 116714 08/14/25 21:00 MNR EET MID Total/NA 8021B 5 mL 08/15/25 05:16 **EET MID** Analysis 1 5 mL 116664 MNR Total/NA Total BTEX 116776 08/15/25 05:16 Analysis SA **EET MID** 1 Total/NA Analysis 8015 NM 116762 08/15/25 03:14 SA **EET MID** Total/NA 116568 Prep 8015NM Prep 10.05 g 10 mL 08/13/25 07:38 FΙ **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 116673 08/15/25 03:14 TKC **EET MID**

Client Sample ID: SW-3 Lab Sample ID: 890-8626-3

5.04 g

50 mL

116729

116739

08/15/25 07:51

08/15/25 10:10

SA

CS

Date Collected: 08/14/25 14:00 **Matrix: Solid** Date Received: 08/14/25 15:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Lab Sample ID: 890-8626-4 Client Sample ID: SW-4

Date Collected: 08/14/25 14:05 **Matrix: Solid** Date Received: 08/14/25 15:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Eurofins Carlsbad

EET MID

EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8626-4

Client Sample ID: SW-4

Matrix: Solid

Job ID: 890-8626-1

SDG: Lea County,NM

Date Collected: 08/14/25 14:05 Date Received: 08/14/25 15:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Lab Sample ID: 890-8626-5

Client Sample ID: SW-5 Date Collected: 08/14/25 14:10

Matrix: Solid

Date Received: 08/14/25 15:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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	Progra	am	Identification Number	Expiration Date
Texas	NELAI)	T104704400	06-30-26
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
for which the agency d	oes not offer certification.	,	, , ,	,
0 ,				
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH	

Method Summary

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Job ID: 890-8626-1

S

UUL	, ID.	000-00	20-1
SDG:	Lea	County	/,NM

/lethod	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
00.0	Anions, Ion Chromatography	EPA	EET MID
6035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
I 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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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

Wor

Project Manager:	Gilbe	rt Moreno				Bill to: (if differer	nt)									7	1	- 51-51-51		Work	Order	r Comments
Company Name:	Earth	Systems	R&R			Company Nam	e:		Eart	h Syst	ems						Prog	ram: US	T/PST			wnfields RRC Superfund
Address:	1910	Resource	Ct.		113	Address:										\exists		of Proj				willelds [] Rico [] Superium
City, State ZIP:	Carls	bad, NM,	88220	-67		City, State ZIP:										\exists	Repo	rting: Le	vel II	Level II	ΙDPS	ST/UST TRRP Level IV
Phone:	832-	541-7719			Email:	gmoreno@ea	rthsys.i	net								\exists			EDD.			PT Other:
roject Name:		Maljama	ar Gas I	Plant	The state of the s	Turn Around		Π	T					ΔΝΔ	LYSIS	RFC	UEST					Preservative Codes
Project Number:			639		Routine	☑ Rush		Pres.		T		T	T	T	T		T	ПТ	T	T	T	None: NO DI Water: H
Project Location:		Lea C	ounty, N	١M	Due Date:	24hr Rus	sh			1	1	1	!		1		1			-		-
ampler's Name: CC/WO #:		Santi	ago Gir	on		day received by t eived by 4:30pm	the lab, if	9														HCL: HC HNO ₃ : HN
SAMPLE RECEI	PT	Temp E	Blank:	(Yes) No	Wet Ice:	Yes N	0	ete						ŀ								H ₂ S0 ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP
Samples Received In Cooler Custody Seal		Yes No	No (N/A	Thermomet Correction F		TWheos;		Parameters														NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Sea	ıls:	Yes No	/N/A	Temperatur	e Reading:	04																Zn Acetate+NaOH; Zn
otal Containers:		<u> </u>		Corrected T	emperature:	0.2				Σ			ے									NaOH+Ascorbic Acid: SAPC
Sample Iden	itificat	ion	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/	# 0.		Chloride-NM	EX-NM	Hold	Hr Rush									Sample Comments
SW-	# 15 P.		s	0.44.05	100	0-0.25	1.5 F 525-664		1 =	+	18	부	24		-							
SW-		***************************************	s	8.14.25 8.14.25	13:50 13:55	0-0.25	Comp	 	X	X	X		X								_	Incident Number
SW-			S	8.14.25	14:00	0-0.25	Comp		X	X	X	 	X		\vdash				_			nAPP2516756421
SW-			S	8.14.25	14:05	0-0.25	Comp		X	X	X	 	X	-	-							
SW-			S	8.14.25	14:10	0-0.25	Comp	 	\ X	X	X	-	X						_		-	
-																				_	-	
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							ļ	<u> </u>	 			<u> </u>					<u> </u>					
Total 200.7 / 60	210	200.8 / 6	020.		ADOD4	1000M T		<u> </u>	<u></u>		<u></u>	<u> </u>	<u> </u>	<u> </u>								
Circle Method(s) a	nd Me	etal(s) to b	e analy																	Hg:		Sr Tl Sn U V Zn /245.1/7470/7471
lotice: Signature of this of service. Eurofins Xen of Eurofins Xenco. A mir																						
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, , , , , , , , , , , , , , , , , , , ,								<u> </u>				4										
								 				6										

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Environment Testing Xenco

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



Project Manager:	Gilbert Mo	eno			Bill to: (if differen	nt)	- 3-												Work C	rder C	Comments	
Company Name:	Earth Syste	ms R&R			Company Nam	e:		Earth	Syste	ems						Progran	n: UST/	PST	PRP	Brown	nfields 🗌 RRC	Superfund
Address:	1910 Reso	urce Ct.			Address:										_ 1	State of	-					
City, State ZIP:	Carlsbad, I	IM, 8822	0		City, State ZIP:											Reportin	g: Leve	II 🔲 1	evel III	PS	T/UST TRRP	Level IV
Phone:	832-541-7	19		Email	gmoreno@ea	rthsys.r	net] [Delivera	bles: El	DD []	ADaP	⊤ ☐ Other	
Project Name:	Mai	amar Ga	s Plant		Turn Around			1					ANAL	YSIS R	EQI	UEST					Preserva	tive Codes
Project Number:		639		Routine	☑ Rush		Pres. Code														None: NO	DI Water: H ₂ O
Project Location:	Le	a County	, NM	Due Date:	24hr Ru	sh								-		-					Cool: Cool	MeOH: Me
Sampler's Name: CC/WO #:	S	antiago C	iron		e day received by ceived by 4:30pm	the lab, if															HCL: HC H ₂ S0 ₄ : H ₂	HNO ₃ : HN NaOH: Na
SAMPLE RECEI	PT Te	np Blank:	Yes No	Wet Ice:	Yes N	0	arameters														H ₃ PO₄: HP	
Samples Received In	ntact: Y	s No	Thermome	ter ID:	TWHILDE'	7	LE LE	-	-	-											NaHSO ₄ : NABI	S
Cooler Custody Seals	s: Yes	No (N)	Correction	Factor:	-02		<u>a</u>														Na ₂ S ₂ O ₃ : NaSC	\mathcal{O}_3
Sample Custody Sea	ls: Yes	No N/	Temperatu	re Reading:	04													1			Zn Acetate+Na	
Total Containers:			Corrected	Temperature:	0.2				Z	_		di di									NaOH+Ascorbi	c Acid: SAPC
Sample Iden	tification	Matr	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	Х	Х	Х		X									Incider	t Number
SW-	2	S	8.14.25	13:55	0-0.25	Comp	1	Х	Х	Х		Х									nAPP25	16756421
SW-	3	S	8.14.25	14:00	0-0.25	Comp	1	Х	Х	Х		Х										
SW	4	S	8.14.25	14:05	0-0.25	Comp	1	Х	Х	Х		Χ										
SW-	5	S	8.14.25	14:10	0-0.25	Comp	1	Х	Х	Х		X										

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
Bail a	lul	3.21 8/1 W	?		
	Constitution of the consti	4			
		6	3		evised Date: 08/25/2020 Rev. 2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8626-1

SDG Number: Lea County,NM

List Source: Eurofins Carlsbad

Login Number: 8626 List Number: 1

Creator: Kramer, Jessica

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8626-1

SDG Number: Lea County,NM

List Source: Eurofins Midland List Creation: 08/14/25 09:52 PM

List Number: 2 Creator: Rios, Minerva

Login Number: 8626

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

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11

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14

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 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



Eurofins Carlsbad

Job Notes

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

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

Authorization

Brianna Tel

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8/15/2025

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

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

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

Laboratory Job ID: 890-8627-1 SDG: Lea County,NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description	on
0.4		1 4 10 9 11 1 1 1

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery

CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Job ID: 890-8627-1

Case Narrative

Client: Earth Systems Response and Restoration

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.

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Job ID: 890-8627-1

Matrix: Solid

SDG: Lea County, NM

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8627-1

Client Sample ID: CS-1

Date Collected: 08/14/25 13:00 Date Received: 08/14/25 15:30

Sample Depth: 0.25

Method: SW846 8021B - Volatile									
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 - T	otal BTEX Cald	culation							
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
- -					mg/Kg			08/15/25 00:18	1
Total BTEX Method: SW846 8015 NM - Diese Analyte	l Range Organ			MDL	mg/Kg Unit	D	Prepared	08/15/25 00:18 Analyzed	1 Dil Fac
Thethod: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	Result 1660	ics (DRO) (Qualifier	GC) RL 50.0	MDL	Unit	<u> </u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	I Range Organ Result 1660 sel Range Orga	ics (DRO) (Qualifier	GC) RL 50.0		Unit	<u>D</u>	Prepared Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	I Range Organ Result 1660 sel Range Orga	ics (DRO) (Qualifier nics (DRO) Qualifier	GC) RL 50.0		Unit mg/Kg			Analyzed 08/15/25 04:35	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	I Range Organ Result 1660 sel Range Orga Result	ics (DRO) (Qualifier nics (DRO) Qualifier	GC) RL 50.0 (GC) RL		Unit mg/Kg		Prepared	Analyzed 08/15/25 04:35 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	I Range Organ Result 1660 sel Range Orga Result	ics (DRO) (Qualifier nics (DRO) Qualifier	GC) RL 50.0 (GC) RL		Unit mg/Kg		Prepared	Analyzed 08/15/25 04:35 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 1660 sel Range Orga Result <50.0	ics (DRO) (Qualifier nics (DRO) Qualifier	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/13/25 07:38 08/13/25 07:38	Analyzed 08/15/25 04:35 Analyzed 08/15/25 04:35 08/15/25 04:35	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	I Range Organ Result 1660 sel Range Orga Result <50.0	ics (DRO) (Qualifier nics (DRO) Qualifier	GC) RL 50.0 (GC) RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 08/13/25 07:38	Analyzed 08/15/25 04:35 Analyzed 08/15/25 04:35	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over	Result 1660 sel Range Orga Result <50.0	ics (DRO) (Qualifier nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/13/25 07:38 08/13/25 07:38	Analyzed 08/15/25 04:35 Analyzed 08/15/25 04:35 08/15/25 04:35	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	I Range Organ Result 1660 sel Range Orga Result <50.0 197 1460	ics (DRO) (Qualifier nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/13/25 07:38 08/13/25 07:38 08/13/25 07:38	Analyzed 08/15/25 04:35 Analyzed 08/15/25 04:35 08/15/25 04:35	Dil Fac

Client Sample ID: CS-2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

12.9

Date Collected: 08/14/25 13:05

Date Received: 08/14/25 15:30

Sample Depth: 0.25

Analyte

Chloride

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

RL

9.96

MDL Unit

mg/Kg

Prepared

Analyzed

08/15/25 10:33

Lab Sample ID: 890-8627-2

Dil Fac

Matrix: Solid

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

08/15/25 10:39

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 Cald	culation							
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
Mothod: CW946 9045 NM Dice	ol Banga Organ	ico (DBO) (CC)						
Method: SW846 8015 NM - Dies	•	Qualifier	RL	MDI	Unit	D	Dronored	Anglyzad	Dil Fac
Analyte		Qualifier		MDL		b	Prepared	Analyzed	Dil Fac
Total TPH	205		49.7		mg/Kg			08/15/25 04:50	1
Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO)	(GC)						
Method: SW846 8015B NM - Die Analyte		nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared 08/13/25 07:38	Analyzed 08/15/25 04:50	Dil Fac
Analyte	Result	Qualifier	RL	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U	RL	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.7	Qualifier U	RL 49.7	MDL	mg/Kg	<u>D</u>	08/13/25 07:38	08/15/25 04:50	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.7	Qualifier U	RL 49.7	MDL	mg/Kg	<u>D</u>	08/13/25 07:38	08/15/25 04:50	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.7 <49.7	Qualifier U	49.7 49.7	MDL	mg/Kg	<u> </u>	08/13/25 07:38 08/13/25 07:38	08/15/25 04:50 08/15/25 04:50	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over	Result <49.7 <49.7	Qualifier U	49.7 49.7	MDL	mg/Kg	<u>D</u>	08/13/25 07:38 08/13/25 07:38	08/15/25 04:50 08/15/25 04:50	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.7 <49.7 <205	Qualifier U	49.7 49.7 49.7	MDL	mg/Kg	<u>D</u>	08/13/25 07:38 08/13/25 07:38 08/13/25 07:38	08/15/25 04:50 08/15/25 04:50 08/15/25 04:50	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <49.7 <49.7 205 %Recovery	Qualifier U	### RL 49.7 49.7 49.7 Limits	MDL	mg/Kg	<u> </u>	08/13/25 07:38 08/13/25 07:38 08/13/25 07:38 Prepared	08/15/25 04:50 08/15/25 04:50 08/15/25 04:50 Analyzed	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.7 <49.7 205	Qualifier U Qualifier	RL 49.7 49.7 49.7 Limits 70 - 130 70 - 130	MDL	mg/Kg	<u>D</u>	08/13/25 07:38 08/13/25 07:38 08/13/25 07:38 Prepared 08/13/25 07:38	08/15/25 04:50 08/15/25 04:50 08/15/25 04:50 Analyzed 08/15/25 04:50	1 1

Client Sample ID: CS-3 Lab Sample ID: 890-8627-3 Date Collected: 08/14/25 13:10 **Matrix: Solid**

10.1

mg/Kg

mg/Kg

<10.1 U

<0.00404 U

Date Received: 08/14/25 15:30

Chloride

Total BTEX

Sample Depth: 0.25

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)			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 Cald	culation							
Analyte	Result		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Carlsbad

08/15/25 00:59

0.00404

Matrix: Solid

Lab Sample ID: 890-8627-3

Lab Sample ID: 890-8627-4

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1 Project/Site: Maljamar Gas Plant SDG: Lea County,NM

Client Sample ID: CS-3

Date Collected: 08/14/25 13:10 Date Received: 08/14/25 15:30

Sample Depth: 0.25

Method: SW846 8015 NM - Diesel I	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	

Prepared Analyzed	Dil Fac
13/25 07:38 08/15/25 05:0)5 1
13/25 07:38 08/15/25 05:0)5 1
13/25 07:38 08/15/25 05:0)5 1
Prepared Analyzed	Dil Fac
13/25 07:38 08/15/25 05:0)5 1
/13/25 07:38)5 1
,	08/15/25 07:38 08/15/25 05:0 08/15/25 07:38 08/15/25 05:0 08/15/25 07:38 08/15/25 05:0

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 Date Collected: 08/14/25 13:15

Date Received: 08/14/25 15:30

Sample Depth: 0.25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 01:19	
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 01:19	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 01:19	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/25 21:00	08/15/25 01:19	
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/25 21:00	08/15/25 01:19	,
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/25 21:00	08/15/25 01:19	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	106		70 - 130				08/14/25 21:00	08/15/25 01:19	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX			70 - 130				08/14/25 21:00	08/15/25 01:19	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	08/14/25 21:00 Prepared	Analyzed	Dil Fac
·	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00402	Qualifier U	RL	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00402 seel Range Organ	Qualifier U	RL			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00402 seel Range Organ	Qualifier U	RL		mg/Kg		Prepared	Analyzed 08/15/25 01:19	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00402 seel Range Organ Result 648	Qualifier U ics (DRO) (Qualifier	RL 0.00402 GC) RL 49.9		mg/Kg		Prepared	Analyzed 08/15/25 01:19 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00402 seel Range Organ Result 648 iesel Range Orga	Qualifier U ics (DRO) (Qualifier	RL 0.00402 GC) RL 49.9	MDL	mg/Kg		Prepared	Analyzed 08/15/25 01:19 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte	- Total BTEX Calc Result <0.00402 seel Range Organ Result 648 iesel Range Orga	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	RL 0.00402 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/15/25 01:19 Analyzed 08/15/25 05:20	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00402 seel Range Organ Result 648 iesel Range Orga Result	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier U	RL 0.00402 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 08/15/25 01:19 Analyzed 08/15/25 05:20 Analyzed	Dil Fac

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8627-4

Matrix: Solid

Matrix: Solid

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

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continu	ied)				
Analyte	Result	Qualifier	RL	MDL Un	nit D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	648		49.9	mg	g/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 C	hromatograp	hy - 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 Lab Sample ID: 890-8627-5

Date Collected: 08/14/25 13:20 Date Received: 08/14/25 15:30

Sample Depth: 0.25

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	
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 01:40	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/25 21:00	08/15/25 01:40	•
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 Cald	culation							
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
Total BTEX Method: SW846 8015 NM - Die					mg/Kg			08/15/25 01:40	1
	sel Range Organ			MDL	mg/Kg Unit		Prepared	08/15/25 01:40 Analyzed	·
: Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Die Analyte	esel Range Organ Result 445	ics (DRO) (Qualifier	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	esel Range Organ Result 445 iesel Range Orga	ics (DRO) (Qualifier	GC) RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH	esel Range Organ Result 445 iesel Range Orga	Qualifier nics (DRO) Qualifier	GC) RL 49.8		Unit mg/Kg		· · ·	Analyzed 08/15/25 05:36	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10	resel Range Organ Result 445 iesel Range Orga Result <a href="mail</td><td>ics (DRO) (Qualifier nics (DRO) Qualifier U</td><td>GC) RL 49.8 (GC) RL 49.8</td><td></td><td>Unit mg/Kg Unit mg/Kg</td><td></td><td>Prepared 08/13/25 07:38</td><td>Analyzed 08/15/25 05:36 Analyzed 08/15/25 05:36</td><td>Dil Fac</td></tr><tr><td>Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over</td><td>esel Range Organ Result 445 iesel Range Orga Result</td><td>ics (DRO) (Qualifier nics (DRO) Qualifier U</td><td>GC) RL 49.8 (GC) RL</td><td></td><td>Unit
mg/Kg</td><td></td><td>Prepared</td><td>Analyzed 08/15/25 05:36 Analyzed</td><td>Dil Fac</td></tr><tr><td>Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)</td><td>resel Range Organ Result 445 iesel Range Orga Result <49.8 <49.8	ics (DRO) (Qualifier nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/13/25 07:38 08/13/25 07:38	Analyzed 08/15/25 05:36 Analyzed 08/15/25 05:36 08/15/25 05:36	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	resel Range Organ Result 445 iesel Range Orga Result <a href="mail</td><td>ics (DRO) (Qualifier nics (DRO) Qualifier U</td><td>GC) RL 49.8 (GC) RL 49.8</td><td></td><td>Unit mg/Kg Unit mg/Kg</td><td></td><td>Prepared 08/13/25 07:38</td><td>Analyzed 08/15/25 05:36 Analyzed 08/15/25 05:36</td><td>Dil Fac</td></tr><tr><td>Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)</td><td>resel Range Organ Result 445 riesel Range Orga Result Result 49.8 449.8 445.8	ics (DRO) (Qualifier nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/13/25 07:38 08/13/25 07:38 08/13/25 07:38	Analyzed 08/15/25 05:36 Analyzed 08/15/25 05:36 08/15/25 05:36 08/15/25 05:36	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over	resel Range Organ Result 445 iesel Range Orga Result <49.8 <49.8	ics (DRO) (Qualifier nics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/13/25 07:38 08/13/25 07:38	Analyzed 08/15/25 05:36 Analyzed 08/15/25 05:36 08/15/25 05:36	Dil Fac

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8627-5

Client Sample ID: CS-5

Date Collected: 08/14/25 13:20 Date Received: 08/14/25 15:30

Sample Depth: 0.25

Matrix: Solid

Job ID: 890-8627-1

SDG: Lea County, NM

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.1 U 08/15/25 11:18 10.1 mg/Kg

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

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)			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 - Tot	tal BTEX Cald	culation						
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
Į	Total TPH	555		50.0		mg/Kg			08/15/25 05:51	1

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

Method: EPA 300.0 - Anions, Ion C	hromatography - 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

70 - 130

101

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o-Terphenyl

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1 SDG: Lea County,NM

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8627-7

Date Collected: 08/14/25 13:30 Date Received: 08/14/25 15:30

Client Sample ID: CS-7

Matrix: Solid

Sample Depth: 0.25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:34	
Toluene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:34	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:34	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/14/25 21:00	08/15/25 03:34	
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/14/25 21:00	08/15/25 03:34	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/14/25 21:00	08/15/25 03:34	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	118		70 - 130				08/14/25 21:00	08/15/25 03:34	
1,4-Difluorobenzene (Surr)	94		70 - 130				08/14/25 21:00	08/15/25 03:34	
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/15/25 03:34	
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	136		49.8		mg/Kg			08/15/25 06:06	
Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 06:06	
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		08/13/25 07:38	08/15/25 06:06	
C10-C28)									
Oil Range Organics (Over	136		49.8		mg/Kg		08/13/25 07:38	08/15/25 06:06	
Oil Range Organics (Over C28-C36)	136 %Recovery	Qualifier			mg/Kg		08/13/25 07:38 Prepared	08/15/25 06:06 Analyzed	Dil F
Oil Range Organics (Over C28-C36) Surrogate		Qualifier	49.8		mg/Kg				Dil F
Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	%Recovery	Qualifier	49.8		mg/Kg		Prepared	Analyzed	Dil F
C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, I	%Recovery 110 102		49.8 Limits 70 - 130 70 - 130		mg/Kg		Prepared 08/13/25 07:38	Analyzed 08/15/25 06:06	<u>Dil F</u>
Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 110 102 on Chromatograp		49.8 Limits 70 - 130 70 - 130	MDL		D	Prepared 08/13/25 07:38	Analyzed 08/15/25 06:06	Dil F

Client Sample ID: CS-8 Lab Sample ID: 890-8627-8 Date Collected: 08/14/25 13:35

Matrix: Solid

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: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8627-8

Client Sample ID: CS-8

Date Collected: 08/14/25 13:35

Date Received: 08/14/25 15:30 Sample Depth: 0.25

Matrix: Solid

Job ID: 890-8627-1

SDG: Lea County, NM

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 112 70 - 130 08/14/25 21:00 08/15/25 03:54 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 93 70 - 130 08/14/25 21:00

08/15/25 03:54

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Prepared Total BTEX <0.00403 0.00403 08/15/25 03:54 mg/Kg

Analyzed Dil Fac

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

RL MDL Unit D Prepared Analyzed Dil Fac **Total TPH** 49.9 08/15/25 06:22 106 mg/Kg

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.9 U mg/Kg Gasoline Range Organics 49.9 08/13/25 07:38 08/15/25 06:22 (GRO)-C6-C10 <49.9 U 49.9 08/13/25 07:38 08/15/25 06:22 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over 106 49.9 mg/Kg 08/13/25 07:38 08/15/25 06:22 C28-C36)

Qualifier Limits Prepared Dil Fac Surrogate %Recovery Analyzed 08/13/25 07:38 1-Chlorooctane 108 70 - 130 08/15/25 06:22

o-Terphenyl 96 70 - 130 08/13/25 07:38 08/15/25 06:22 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Prepared Analyzed Dil Fac

Analyte Result Qualifier

<9.98 Ū 08/15/25 11:35 Chloride 9 98 mg/Kg

RL

MDL Unit D

Client Sample ID: CS-9 Date Collected: 08/14/25 13:40 Date Received: 08/14/25 15:30

Matrix: Solid

Sample Depth: 0.25

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

MDL Unit Result Qualifier Analyte RL Prepared Analyzed Dil Fac Benzene < 0.00199 0.00199 08/14/25 21:00 08/15/25 04:15 ma/Ka Toluene <0.00199 U 0.00199 mg/Kg 08/14/25 21:00 08/15/25 04:15 Ethylbenzene <0.00199 U 0.00199 08/14/25 21:00 08/15/25 04:15 mg/Kg m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 08/14/25 21:00 08/15/25 04:15 o-Xvlene <0.00199 U 0.00199 mg/Kg 08/14/25 21:00 08/15/25 04:15 <0.00398 U 0.00398 08/14/25 21:00 08/15/25 04:15 Xylenes, Total mg/Kg Qualifier Limits Surrogate %Recovery Prepared Analyzed Dil Fac

4-Bromofluorobenzene (Surr) 111 70 - 130 08/14/25 21:00 08/15/25 04:15 92 1,4-Difluorobenzene (Surr) 70 - 130 08/14/25 21:00 08/15/25 04:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Released to Imaging: 12/1/2025 2:09:57 PM

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 0.00398 08/15/25 04:15 U mg/Kg

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Lab Sample ID: 890-8627-9

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

96

Lab Sample ID: 890-8627-9

08/13/25 07:38

08/15/25 06:37

Matrix: Solid

Job ID: 890-8627-1

SDG: Lea County,NM

Sample Depth: 0.25

Client Sample ID: CS-9

Date Collected: 08/14/25 13:40

Date Received: 08/14/25 15:30

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		

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

70 - 130

Client Sample ID: CS-10 Lab Sample ID: 890-8627-10

Date Collected: 08/14/25 13:45 Date Received: 08/14/25 15:30

Sample Depth: 0.25

o-Terphenyl

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)			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 - Diesei 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	

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Matrix: Solid

8/15/2025

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1 Project/Site: Maljamar Gas Plant 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 Sai	mple ID:	890-8627-10
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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 Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed <9.92 U 08/15/25 11:47 Chloride 9.92 mg/Kg

Surrogate Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1 Project/Site: Maljamar Gas Plant 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-Bromofluorobe	nzene (Surr)			
DFBZ = 1,4-Difluoroben:	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8627-1	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

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1 Project/Site: Maljamar Gas Plant 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

	MB	MB							
Analyte	Result	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

MB MB

Surrogate	%Recovery Qua	ualifier 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

MR MR

Analyte	Result	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

MB MB

Surrogate	%Recovery	Qualifier	Limits	P	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/1	14/25 12:53	08/14/25 22:35	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/1	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**

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %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 0.100 0.07996 70 - 130 o-Xylene mg/Kg 80

LCS LCS

Surrogate	%Recovery Qualifier	r 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 RPD

Spike LCSD LCSD %Rec Result Qualifier Analyte Added Unit %Rec Limits **RPD** Limit Benzene 0.100 0.09951 mg/Kg 100 70 - 130

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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**

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

LCSD LCSD

Surrogate	%Recovery 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

мв мв

	111.0	14.10							
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 00:19	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 00:19	1
C10-C28) Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/25 07:38	08/15/25 00:19	1

MR MR

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 116568 Analysis Batch: 116673 Spike LCS LCS

Analyte	Added	Result	Qualifier U	nit	D	%Rec	Limits
Gasoline Range Organics	1000	1011		ng/Kg	_	101	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	964.9	m	ng/Kg		96	70 - 130
C10-C28)							

	LCS LCS	
Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	130	70 - 130
o-Ternhenyl	132 \$1+	70 130

Lab Sample ID: LCSD 880-116568/3-A

Matrix: Solid

Analysis Batch: 116673

Client S	Sample	ID:	Lab	Control	Sampl	e Dup
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Prep Type: Total/NA

Prep Batch: 116568

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1042		mg/Kg		104	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1006		mg/Kg		101	70 - 130	4	20
C10-C28)									

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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 116568

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: CS-2

Prep Type: Soluble

LCSD LCSD

Surrogate %Recovery 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

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 mg/Kg 08/15/25 08:56

LCS LCS

Lab Sample ID: LCS 880-116729/2-A

Matrix: Solid

Analysis Batch: 116739

Analyte Added Qualifier Result Unit %Rec Limits Chloride 250 235.1 94 90 - 110 mg/Kg

Spike

Lab Sample ID: LCSD 880-116729/3-A

Matrix: Solid

Analysis Batch: 116739

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 235.1 94 90 - 110 mg/Kg

Lab Sample ID: 890-8627-2 MS

Matrix: Solid

Analysis Batch: 116739

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier %Rec Limits Analyte Unit D <10.1 U 253 246.7 96 Chloride mg/Kg 90 - 110

Lab Sample ID: 890-8627-2 MSD

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Matrix: Solid

Analysis Batch: 116739

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Qualifier Analyte Result Unit %Rec Limits RPD Limit Chloride <10.1 U 253 247.2 mg/Kg 90 - 110 20

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Client Sample ID: CS-2

Prep Type: Soluble

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1 Project/Site: Maljamar Gas Plant 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

Job ID: 890-8627-1 Project/Site: Maljamar Gas Plant 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	

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1 Project/Site: Maljamar Gas Plant 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

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Client Sample ID: CS-1 Lab Sample ID: 890-8627-1

Date Collected: 08/14/25 13:00 Matrix: Solid Date Received: 08/14/25 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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 Lab Sample ID: 890-8627-2

Date Collected: 08/14/25 13:05 Date Received: 08/14/25 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 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 Lab Sample ID: 890-8627-3

Date Collected: 08/14/25 13:10 **Matrix: Solid** Date Received: 08/14/25 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	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 Lab Sample ID: 890-8627-4

Date Collected: 08/14/25 13:15 **Matrix: Solid** Date Received: 08/14/25 15:30

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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

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Matrix: Solid

Lab Sample ID: 890-8627-4

Client Sample ID: CS-4

Date Collected: 08/14/25 13:15 Date Received: 08/14/25 15:30

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Lab Sample ID: 890-8627-5

Date Collected: 08/14/25 13:20 Date Received: 08/14/25 15:30

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 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 Lab Sample ID: 890-8627-6

Date Collected: 08/14/25 13:25 Date Received: 08/14/25 15:30 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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 Lab Sample ID: 890-8627-7

Date Collected: 08/14/25 13:30 Date Received: 08/14/25 15:30

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g 1 uL	10 mL 1 uL	116568 116673	08/13/25 07:38 08/15/25 06:06	EL TKC	EET MID EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Lab Sample ID: 890-8627-7

Client Sample ID: CS-7 Date Collected: 08/14/25 13:30

Date Received: 08/14/25 15:30

Matrix: Solid

Job ID: 890-8627-1

SDG: Lea County,NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	116729	08/15/25 07:51	SA	EET MID
Soluble	Analysis	300.0		1			116739	08/15/25 11:30	CS	EET MID

Lab Sample ID: 890-8627-8

Date Collected: 08/14/25 13:35

Client Sample ID: CS-8

Matrix: Solid

Date Received: 08/14/25 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 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

Lab Sample ID: 890-8627-9

Date Collected: 08/14/25 13:40

Client Sample ID: CS-9

Matrix: Solid

Date Received: 08/14/25 15:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

Lab Sample ID: 890-8627-10

Date Collected: 08/14/25 13:45 Date Received: 08/14/25 15:30 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

Laboratory References:

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

Job ID: 890-8627-1 SDG: Lea County,NM

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

Method Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8627-1

Project/Site: Maljamar Gas Plant SDG: Lea County,NM

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
3015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
I 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

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Environment Testing

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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

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Project Manager:	Gilbe	ert Moreno	`				leknikasikasi.	inglenoy -	Т			~~~~~								www	.xenc	o.com	Pageof
Company Name:		n Systems		****		Bill to: (if differer	A SECTION AND A		-		·									W	ork C	rder (Comments
				******		Company Nam	e:		Eartl	h Syst	ems						Prog	ram: U	ST/PS	r 🗀 I	PRP[]	Brow	nfields RRC Superfund
Address:	1	Resource				Address:											State	of Pro	ject:				
City, State ZIP:	1	sbad, NM,	88220		7	City, State ZIP:		100.00									Repo	rting: L	evel II	ПLе	vel III	□PS	T/UST TRRP Level IV
Phone:	832-	541-7719			Email:	gmoreno@ea	rthsys.	net										erables				ADaP	
Project Name:		Maljama	ar Gas	Plant	1	urn Around								ΔΝΔ	LYSIS	E PEO	LIECT						
Project Number:			639		Routine	☑ Rush		Pres. Code		T	T	T	Τ		T	TEG	UESI				т	Т	Preservative Codes
Project Location:		Lea C	ounty, I	NM	Due Date:	24hr Ru	ch.	Code		 	 	+		 	┼	 	<u> </u>				ļ	 	None: NO DI Water: H ₂ C
Sampler's Name:			ago Gir			day received by													1				Cool: Cool MeOH: Me
CC/WO#:					rec	eived by 4:30pm	uic iab, ii										ļ		1			ł	HCL: HC HNO ₃ : HN
SAMPLE RECE	PT	Temp E	Blank:	Yes No	Wet Ice:	Ýes N	Λ	Parameters														ŧ	H ₂ S0 ₄ : H ₂ NaOH: Na
Samples Received I	ntact:	(Yes	No _	Thermomet	er ID:	TMAOO		Ĕ														1	H₃PO₄: HP
Cooler Custody Sea	s:	Yes No	(N/A)	Correction I	actor:	0.3	<u>′</u>	Par														1	NaHSO₄: NABIS
Sample Custody Sea	als:	Yes No	(N/À	Temperatur	e Reading:	0.4								ĺ								i	Na ₂ S ₂ O ₃ : NaSO ₃
Total Containers:					emperature:	0.2	·			Σ													Zn Acetate+NaOH: Zn
	-1-1 -1-1-1	Andrew La	dentil.	Date	Time		Grab/		Σ	ide-NM	Σ×		Rush										NaOH+Ascorbic Acid: SAPC
Sample Ider	ntificat	ion	Matrix	Sampled	Sampled	Depth (feet)	Comp	5 - ₹	H	Chloric	Ä	불	±								<u> </u>		Sample Comments
CS-	1	esta i trasa con opera	s	8.14.25	13:00	0.25	12442		LE.		in in	Ĭ	24										
CS-	2		s	8.14.25	13:05	0.25	Comp		X	X	X	 	X		<u> </u>								Incident Number
CS-			s	8.14.25	13:10	0.25	Comp	 	X	X	X	<u> </u>	X	<u> </u>	<u> </u>						ļ		nAPP2516756421
CS-		· · · · · · · · · · · · · · · · · · ·	s	8.14.25		0.25	Comp		X	X	X	<u> </u>	X			ļ							
CS-			s	 	13:15		Comp	 	X	X	X	<u> </u>	X										
CS-			s	8.14.25	13:20	0.25	Comp	 	X	X	X	<u> </u>	Х										
			S	8.14.25	13:25	0.25	Comp	1	X	X	X		Х										
CS-				8.14.25	13:30	0.25	Comp		X	X	Х		Х										
CS-			S	8.14.25	13:35	0.25	Comp	1	X	X	X		Х										
CS-			S	8.14.25	13:40	0.25	Comp	1	X	Х	Х		Х										
Total 200.7 / 60	-	200.8 / 6			8RCRA	13PPM Texa	s 11 A	d Sb	As B	a Be	ВС	d Ca	Cr Co	Cu	Fe Pi	b Ma	Mn I	Mo Ni	K So	Λα	SiO	No C	or TI Sn U V Zn
Circle Method(s) a	nd Me	tal(s) to be	e analy	zed								,	50			~ 1419	-4111 I	110 141	56	Λy			SFILSHUVZN

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Environment Testing Midland Xenco EL Pas

Houston, 1X (281) 240-4200, Dallas, TX (214) 902-0300	and the second s	the second control of
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work	Order No:
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296		0.401 110.
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199		

Project Name: Carles Sarphes Carles C
Address
City, State ZIP: Carlsbad, NM, 88220
Phone: 832-541-7719
Project Name: Maljamar Gas Plant Turn Around Project Number: 639 Routine Routine Routine Routine Reading: 1. Corrected Temperature: 1. Corrected Temperature: 1. Comp. Matrix Sample Comment Cost-10 S 8.14.25 13:45 0.25 Comp. 1 X X X X X X X X X X I Incident Number Turn Around ANALYSIS REQUEST Preservative Code Code None: EDD ADaPT Other: ADAPT
Project Number: 639 Routine Rush Sampler's Name: Santiago Giron TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by 4:30pm TAT starts the day received by 4:30pm TAT starts the day received by 4:30pm TA
Routine Rout
Application: 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 recei
ACCIONO #: Control Co
SAMPLE RECEIPT Temp Blank:
Cooler Custody Seals: Yes No N/A Correction Factor: - () 2 Sample Custody Seals: Yes No N/A Temperature Reading: J. 4 Otal Containers: Corrected Temperature: () 2 Sample Identification Date Time Sampled Sampled Sampled Depth (feet) Comp # 0 1 X X X X X X X Incident Numbe
Sample Custody Seals: Yes No MA Correction Factor: - (, 2)
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CS-10 S 8.14.25 13:45 0.25 Comp 1 X X X X I Incident Numbe
Incident Numbe
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Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

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Environment Testing

Chain of Custody

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

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890-8627 Chain of Custody

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Project Manager:	Gilber	t Moreno				Bill to: (if different)											That		Wo	rk Ord	ler Co	omments		
Company Name:	Earth	Systems	R&R			Company Name			Earth	Syste	ms						Progra	ım: US	T/PS1	PI	RP B	rownf	fields 🗌 RRC	Superfu	nd 🗌
Address:		Resource				Address:	State of Project:																		
City, State ZIP:	Carist	oad, NM, 8	88220			City, State ZIP:	Reporting: Level III Level III										el III 🗌	PST/UST TRRP Level IV							
Phone:	832-5	41-7719			Email:	gmoreno@ear	thsys.n	et									Delive	ables:	EDD		Al	DaPT	□ Othe	r:	
Project Name:		Maljama	r Gas F	Plant	T	urn Around					-18			ANAL	YSIS	REQI	JEST						Preserv	ative Code	3
Project Number:			539		Routine	☑ Rush		Pres. Code														1	None: NO	DI Water	H ₂ O
Project Location:		Lea Co	ounty, N	IM	Due Date:																	- 1	Cool: Cool	MeOH: M	
Sampler's Name: CC/WO #:		Santiago Giron				day received by the ived by 4:30pm	day received by the lab, if															1	HCL: HC H₂S0₄: H₂	HNO₃: HI NaOH: N	
SAMPLE RECE	PT	Temp B	lank:	Yes No	Wet Ice:	Yes No		arameters													-	1	H ₃ PO ₄ : HP		
Samples Received I	ntact:	(Y98	No	Thermomet	er ID:	TMAO	7	Iran															NaHSO ₄ : NABIS		
Cooler Custody Sea	ls:	Yes No	(N/A)	Correction F	actor.	0.5		~					- "										Na ₂ S ₂ O ₃ : NaS	- T	
Sample Custody Sea	als:	Yes No N/A Temperature Reading:				0.4															Zn Acetate+N				
Total Containers:				Corrected T	emperature:	0.2				N N			sh									ı	NaOH+Ascort	oic Acid: SAP	3
Sample Ider	ntificati	on	Matrix	Date Sampled	Time Sampled	Depth (feet)		# 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_	Х	Х	Х		X										Incide	nt Number	
CS-	-2		S	8.14.25	13:05	0.25	Comp	1	Х	Х	Х		Х										nAPP2	516756421	
CS-	3		S	8.14.25	13:10	0.25	Comp	1	Х	Х	Х		Χ												
CS-	4		S	8.14.25	13:15	0.25	Comp	1_	Х	Х	Х		X									_			
CS-	5		S	8.14.25	13:20	0.25	Comp	1	Х	Х	Х		X												
CS-	6		S	8.14.25	13:25	0.25	Comp	1	Х	Х	Х		Χ									\dashv			
CS-	7		S	8.14.25	13:30	0.25	Comp	1	Х	Х	Х	.1	X									_			
CS-	8		S	8.14.25	13:35	0.25	Comp	1	Х	Х	Х		X												
CS-	9		S	8.14.25	13:40	0.25	Comp	1	X	Х	Х		X												
Total 200.7 / 6	010	200.8 / 6	020:		8RCRA	13PPM Texas	11 A	l Sb	As B	a Be	B Cd	Ca (Cr Co	Cu	Fe P	o Mg	Mn N	lo Ni	K Se	Ag	SiO ₂ N	√a Sr	TI Sn U V	Zn	

Hg: 1631 / 245.1 / 7470 / 7471

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

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Relinguished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
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Environment Testing

Chain of Custody

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

Work Order No:	
TTOIR Older No.	

Project Manager:	Gilbert Moren				Bill to: (if differen								200			Work	Order	Comments				
Company Name:	Earth Systems							Forth	Syste	me			-		Program: UST/PST PRP Brownfields RRC Super							
					Company Name Address:	3.		Laiti	Syste	1115		-		_	- 1	te of Pro	_	7		Blowmens Kito Capemana		
ddress:	1910 Resource																	ш Прѕ	I ☐ PST/UST ☐ TRRP ☐ Level IV			
City, State ZIP:	Carlsbad, NM				City, State ZIP:												EDD		ADaP			
Phone:	832-541-7719			Email:	moreno@earthsys.net										Dei	verables	. בטט	_	ADai	T Other		
roject Name:	Maljam	ar Gas I	Plant	1	urn Around				Hill				ANAL	YSIS F	REQUES	T				Preserva	tive Codes	
roject Number:		639		Routine	✓ Rush		Pres. Code													None: NO	DI Water: H ₂ 0	
roject Location:	Lea (County, N	MM	Due Date:	24hr Rus	sh														Cool: Cool	MeOH: Me	
ampler's Name: C/WO#:	Sant	iago Gir	on		day received by theived by 4:30pm	he lab, if	1000													HCL: HC H ₂ S0₄: H ₂	HNO₃: HN NaOH: Na	
AMPLE RECE	IPT Temp	Blank:	Fes No	Wet Ice:	(es) No)	ete													H₃PO₄: HP		
amples Received I	ntact: Yes	No	Thermomet	er ID:	1 Nnoe	7	Parameters								_			_		NaHSO₄: NABI	5	
ooler Custody Sea	ls: Yes N	O N/A	Correction I	actor:	-122		- A													Na ₂ S ₂ O ₃ : NaSO ₃		
ample Custody Sea	als: Yes N	O WA	Temperatur	e Reading:	0.4		1													Zn Acetate+Na		
otal Containers:			Corrected T	emperature:	02				Σ×	-		Sh							- 1	NaOH+Ascorbi	Acid: SAPC	
Sample Ide	ntification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	15 E	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush								Sample	Comments	
CS-	10	S	8.14.25	13:45	0.25	Comp	1	Х	Х	Х		Х								Inciden	t Number	
																				nAPP25	16756421	
												-						+				
		+						-							-			+				
												1										
						1																

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.

Relinguished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
· hr	ald	7:21 8/14			
3		4			
5		6			exised Date: 08/25/2020 Rev. 20

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8627-1

SDG Number: Lea County,NM

Login Number: 8627 List Source: Eurofins Carlsbad

List Number: 1

Creator: Kramer, Jessica

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

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Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8627-1

SDG Number: Lea County,NM

List Source: Eurofins Midland

List Creation: 08/14/25 09:53 PM

List Number: 2 Creator: Rios, Minerva

Login Number: 8627

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

Released to Imaging: 12/1/2025 2:09:57 PM

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 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



Eurofins Carlsbad

Job Notes

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

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

Authorization

Brianna Tel

Generated 8/22/2025 11:18:48 AM

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

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

Laboratory Job ID: 890-8708-1 SDG: Lea County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant 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
11	Indicates the analyte was analyzed for but not detect

HPLC/IC

LOQ

MCL

MDA

Qualifier	Qualifier Description

Indicates the analyte was analyzed for but not detected.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
*	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)

MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit Minimum Level (Dioxin) ML

MPN Most Probable Number Method Quantitation Limit MQL NC Not Calculated

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

Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry)

NEG Negative / Absent POS Positive / Present **PQL Practical Quantitation Limit**

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Job ID: 890-8708-1

Case Narrative

Client: Earth Systems Response and Restoration

Project: Maljamar Gas Plant

Eurofins Carlsbad Job ID: 890-8708-1

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 sitespecific 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 reanalysis 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.

Matrix: Solid

Lab Sample ID: 890-8708-1

Client Sample Results

Client: Earth Systems Response and Restoration

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Client Sample ID: CS - 1

Date Collected: 08/21/25 09:30 Date Received: 08/21/25 11:46

Sample Depth: 0.5

Method: SW846 8021B - Volatile C	Organic Comp	ounds (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 - To	otal BTEX Cald	culation							
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 Organ	ics (DRO) (GC)						
Analyte		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 - Diese	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		08/21/25 09:40	08/21/25 20:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/21/25 09:40	08/21/25 20:56	1
C10-C28)									
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

Client Sample ID: CS - 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

199

Date Collected: 08/21/25 09:35 Date Received: 08/21/25 11:46

Sample Depth: 0.5

Analyte

Chloride

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	

RL

10.0

MDL Unit

mg/Kg

D

Prepared

Eurofins Carlsbad

Dil Fac

Matrix: Solid

Analyzed

08/22/25 09:07

Lab Sample ID: 890-8708-2

Matrix: Solid

Client Sample Results

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

ration Job ID: 890-8708-1 SDG: Lea County, NM

Lab Sample ID: 890-8708-2

Client Sample ID: CS - 2

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: TAI	SOP Total BTI	FY - Total RTF)	Calculation
Mictilou. IAL	. OOI TOTAL DIE	LA - IOLAI DILA	Calculation

Analyte		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 - Die	cal Pango Organico (DPO) (CC	Α.
Method. 344046 6013 MM - Die	sei Railye 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

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

Date Collected: 08/21/25 09:40 Date Received: 08/21/25 11:46

Sample Depth: 0.5

l				
Method: SW	846 8021B	- Volatile Orga	anic Compound	s (GC)

Welliou. 344040 0021B - Volat	ne Organic Comp	ounus (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

ı	Mothod:	TAI	COD.	Total	DTEV	Total	DTEV	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) (G
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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

Eurofins Carlsbad

2

3

8

10

19

13

Matrix: Solid

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

Date Collected: 08/21/25 09:40 Date Received: 08/21/25 11:46

Sample Depth: 0.5

Lab Sample ID: 890-8708-3

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Dil Fac Unit D Prepared Analyzed <50.0 U 50.0 08/21/25 09:40 08/21/25 21:27 Gasoline Range Organics mg/Kg (GRO)-C6-C10 08/21/25 09:40 50.0 Diesel Range Organics (Over <50.0 U mg/Kg 08/21/25 21:27 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 08/21/25 09:40 08/21/25 21:27 %Recovery Qualifier Limits Analyzed Dil Fac Surrogate Prepared 70 - 130 08/21/25 09:40 1-Chlorooctane 90 08/21/25 21:27 o-Terphenyl 91 70 - 130 08/21/25 09:40 08/21/25 21:27

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride 214 9.98 mg/Kg 08/22/25 09:30

Client Sample ID: CS - 4

Date Collected: 08/21/25 09:45 Date Received: 08/21/25 11:46

Sample Depth: 0.5

Lab Sample ID: 890-8708-4

Matrix: Solid

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

Wethou: Swo46 6021B - Vo	Diatile Organic Comp	ounas (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
	0/5	0 ""							57.5

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 Dil Fac Analyte Result Qualifier MDL Unit Prepared Analyzed Total BTEX <0.00398 U 0.00398 mg/Kg 08/22/25 04:02

Method: SW846 8015 NM - Diesel R	cs (DRO) (0	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 - Diese	l Range Orga	nics (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		ma/Ka		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

Client: Earth Systems Response and Restoration

Project/Site: Maljamar Gas Plant

Client Sample ID: CS - 4

Date Collected: 08/21/25 09:45 Date Received: 08/21/25 11:46

Sample Depth: 0.5

Lab Sample ID: 890-8708-4

Matrix: Solid

Job ID: 890-8708-1

SDG: Lea County, NM

Method: EPA 300.0 - Anions, Ion C	hromatography - 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

Analyte

Chloride

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	
Toluene	<0.00200	U *-	0.00200		mg/Kg		08/21/25 20:30	08/22/25 06:13	•
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 06:13	,
m-Xylene & p-Xylene	< 0.00399	U	0.00399		mg/Kg		08/21/25 20:30	08/22/25 06:13	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 20:30	08/22/25 06:13	•
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/25 20:30	08/22/25 06:13	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
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	•
Analyte Total BTEX Method: SW846 8015 NM - Diese	<0.00399		0.00399 GC)		mg/Kg		Prepared	Analyzed 08/22/25 06:13	
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/21/25 21:58	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
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	,
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 21:58	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	91		70 - 130				08/21/25 09:40	08/21/25 21:58	1
			70 - 130				08/21/25 09:40	08/21/25 21:58	

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Analyzed 08/22/25 09:41

RL

9.94

MDL Unit

mg/Kg

D

Prepared

Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

241

Client: Earth Systems Response and Restoration

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant SDG: Lea County, NM

Client Sample ID: CS - 6

Sa

Client Sample ID: CS - 6	Lab Sample ID: 890-8708-6
Date Collected: 08/21/25 09:55	Matrix: Solid
Date Received: 08/21/25 11:46	
Sample Depth: 0.5	

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
Total BTEX Method: SW846 8015 NM - Diese		ics (DRO) (0.00398 GC)		mg/Kg			08/22/25 06:33	1
• •	el Range Organ			MDL	mg/Kg	D	Prepared	08/22/25 06:33 Analyzed	
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.8 sel Range Organ	ics (DRO) (Qualifier U	GC) RL 49.8		Unit mg/Kg			Analyzed 08/21/25 22:15	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	el Range Organ Result <49.8 sel Range Orga Result	Qualifier Unics (DRO) Qualifier Qualifier	GC) RL 49.8 (GC) RL		Unit mg/Kg Unit	D_	Prepared	Analyzed 08/21/25 22:15 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.8 sel Range Organ	Qualifier Unics (DRO) Qualifier Qualifier	GC) RL 49.8		Unit mg/Kg			Analyzed 08/21/25 22:15	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <49.8 sel Range Orga Result	ics (DRO) (Qualifier U unics (DRO) Qualifier U	GC) RL 49.8 (GC) RL		Unit mg/Kg Unit		Prepared	Analyzed 08/21/25 22:15 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Result 49.8 Seel Range Orga Result 49.8 49.8 49.8	ics (DRO) (Qualifier U unics (DRO) Qualifier U	GC) RL 49.8 (GC) RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 08/21/25 09:40	Analyzed 08/21/25 22:15 Analyzed 08/21/25 22:15	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 49.8 sel Range Orga Result 49.8 49.8	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	GC) RL 49.8 (GC) RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/21/25 09:40 08/21/25 09:40	Analyzed 08/21/25 22:15 Analyzed 08/21/25 22:15 08/21/25 22:15	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result 49.8 sel Range Orga Result 49.8 49.8 49.8	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	GC) RL 49.8 (GC) RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 08/21/25 09:40 08/21/25 09:40 08/21/25 09:40	Analyzed 08/21/25 22:15 Analyzed 08/21/25 22:15 08/21/25 22:15 08/21/25 22:15	Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac 1

Method: EPA 300.0 - Anions, Ion C	hromatography - 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 Date Collected: 08/21/25 10:00 **Matrix: Solid**

Date Received: 08/21/25 11:46

Sample Depth: 0.5

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	

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

Sample Depth: 0.5

Lab Sample ID: 890-8708-7

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 08/21/25 20:30 1,4-Difluorobenzene (Surr) 110 08/22/25 06:54

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00398 0.00398 08/22/25 06:54 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 50.0 08/21/25 22:31 mg/Kg

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

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <50.0 U mg/Kg Gasoline Range Organics 50.0 08/21/25 09:40 08/21/25 22:31 (GRO)-C6-C10 <50.0 U 50.0 08/21/25 09:40 08/21/25 22:31 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 08/21/25 09:40 08/21/25 22:31

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 93 70 - 130 08/21/25 09:40 08/21/25 22:31 08/21/25 22:31 95 70 - 130 08/21/25 09:40 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 10.0 08/22/25 10:04 Chloride 236 mg/Kg

Lab Sample ID: 890-8708-8 Client Sample ID: CS - 8

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 Toluene <0.00200 U*-0.00200 08/21/25 20:30 08/22/25 07:14 mg/Kg Ethylbenzene <0.00200 U 0.00200 08/21/25 20:30 08/22/25 07:14 mg/Kg 08/22/25 07:14 m-Xylene & p-Xylene <0.00399 U 0.00399 08/21/25 20:30 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 08/21/25 20:30 08/22/25 07:14 Xylenes, Total <0.00399 U 0.00399 mg/Kg 08/21/25 20:30 08/22/25 07:14

%Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 70 - 130 08/21/25 20:30 4-Bromofluorobenzene (Surr) 140 S1+ 08/22/25 07:14 1,4-Difluorobenzene (Surr) 114 70 - 130 08/21/25 20:30 08/22/25 07:14

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier MDL D RL Unit Prepared Analyzed Dil Fac Total BTEX <0.00399 08/22/25 07:14 0.00399 mg/Kg

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.8 U Total TPH 49.8 08/21/25 22:47 mg/Kg

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Matrix: Solid

Client: Earth Systems Response and Restoration

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant 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:	890-87	08-8
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Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Dil Fac Analyte RL MDL Unit D Analyzed Prepared <49.8 U 49.8 08/21/25 09:40 08/21/25 22:47 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 49.8 08/21/25 09:40 08/21/25 22:47 mg/Kg C10-C28) mg/Kg 08/21/25 09:40 08/21/25 22:47 Oil Range Organics (Over C28-C36) <49.8 U 49.8

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1-Chlorooctane 70 - 130 08/21/25 09:40 08/21/25 22:47 94 o-Terphenyl 95 70 - 130 08/21/25 09:40 08/21/25 22:47

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - 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

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant 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)	
890-8708-1	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	
MD 000-110300/3-A		165 S1+	95	

DFBZ = 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

		1001	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-8708-1	CS - 1	91	93	
90-8708-2	CS - 2	89	90	
390-8708-3	CS - 3	90	91	
390-8708-4	CS - 4	90	91	
390-8708-5	CS - 5	91	92	
390-8708-6	CS - 6	89	91	
390-8708-7	CS - 7	93	95	
390-8708-8	CS - 8	94	95	
.CS 880-117208/2-A	Lab Control Sample	112	101	
CSD 880-117208/3-A	Lab Control Sample Dup	114	102	
/IB 880-117208/1-A	Method Blank	79	83	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: Earth Systems Response and Restoration

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant 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

	IVIB	MR							
Analyte	Result	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	
Toluene	<0.00200	U	0.00200		mg/Kg		08/18/25 14:26	08/21/25 13:13	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/18/25 14:26	08/21/25 13:13	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/18/25 14:26	08/21/25 13:13	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/18/25 14:26	08/21/25 13:13	•
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/18/25 14:26	08/21/25 13:13	
	MD	MD							

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130	_	08/18/25 14:26	08/21/25 13:13
1,4-Difluorobenzene (Surr)	95		70 - 130		08/18/25 14:26	08/21/25 13:13

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117210

Analysis Batch: 117098 мв мв

Lab Sample ID: MB 880-117210/5-A

Analyte	Result	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

MB MB

Surrogate	%Recovery	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

Matrix: Solid

Analysis Batch: 117098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 117210**

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

LCS LCS

Surrogate	%Recovery 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

Spike LCSD LCSD RPD %Rec Result Qualifier Analyte Added Unit %Rec Limits RPD Limit Benzene 0.100 0.09484 mg/Kg 95 70 - 130 9

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1

Dil Fac

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

Spike LCSD LCSD %Rec Analyte Added Result Qualifier Unit %Rec Limits **RPD** Toluene 0.100 0.08018 70 - 130 mg/Kg 80 18 Ethylbenzene 0.100 0.08569 mg/Kg 86 70 - 130 19 0.200 m-Xylene & p-Xylene 0.1824 91 70 - 130 10 35 mg/Kg o-Xylene 0.100 0.1034 mg/Kg 103 70 - 130 7 35

RPD Limit 35 35

LCSD LCSD

Surrogate	%Recovery	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

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 12:14	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 12:14	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 09:40	08/21/25 12:14	1

MR MR

Surrogate	%Recovery	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

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	1224		mg/Kg		122	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1229		mg/Kg		123	70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery 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

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier I	Unit D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1253		mg/Kg	125	70 - 130	2	20
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1234	1	mg/Kg	123	70 - 130	0	20
C10-C28)								

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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Batch: 117208

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: CS - 1

LCSD LCSD

Surrogate %Recovery 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

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 mg/Kg 08/22/25 08:50

Lab Sample ID: LCS 880-117329/2-A

Matrix: Solid

Analysis Batch: 117340

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 245.2 98 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-117329/3-A

Matrix: Solid

Analysis Batch: 117340

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 246.3 99 90 - 110 mg/Kg

Lab Sample ID: 890-8708-1 MS

Matrix: Solid

Analysis Batch: 117340

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier %Rec Limits Analyte Unit D 250 443.7 98 90 - 110 Chloride 199 mg/Kg

Lab Sample ID: 890-8708-1 MSD

Matrix: Solid

Analysis Batch: 117340

Sample Sample Spike MSD MSD %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits RPD Limit Chloride 199 250 443.2 mg/Kg 90 - 110 20

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Prep Type: Soluble

Client Sample ID: CS - 1 **Prep Type: Soluble**

RPD

QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant 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	

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QC Association Summary

Client: Earth Systems Response and Restoration

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant 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 Batcl
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 Batcl
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

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant 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

Job ID: 890-8708-1 Project/Site: Maljamar Gas Plant 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

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 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 Lab Sample ID: 890-8708-2

Date Collected: 08/21/25 09:35 Date Received: 08/21/25 11:46

Date Received: 08/21/25 11:46

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.01 g 5 mL 117210 08/21/25 20:30 AA EET MID Total/NA 8021B 5 mL 08/22/25 03:21 **EET MID** Analysis 1 5 mL 117098 MNR Total/NA Total BTEX 117393 08/22/25 03:21 Analysis SA **EET MID** 1 Total/NA Analysis 8015 NM 117350 08/21/25 21:11 SA **EET MID** Total/NA 117208 Prep 8015NM Prep 10.00 g 10 mL 08/21/25 09:40 FΙ EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 117310 08/21/25 21:11 TKC **EET MID** Soluble 08/21/25 17:54 SMC Leach DI Leach 5.02 g 50 mL 117329 EET MID Soluble Analysis 300.0 117340 08/22/25 09:24 SMC **EET MID**

Client Sample ID: CS - 3 Lab Sample ID: 890-8708-3 Date Collected: 08/21/25 09:40 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 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 Lab Sample ID: 890-8708-4 Date Collected: 08/21/25 09:45 **Matrix: Solid**

Date Received: 08/21/25 11:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Lab Sample ID: 890-8708-4

Client Sample ID: CS - 4 Date Collected: 08/21/25 09:45 Date Received: 08/21/25 11:46

Matrix: Solid

Job ID: 890-8708-1

SDG: Lea County, NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Lab Sample ID: 890-8708-5

Date Collected: 08/21/25 09:50 Date Received: 08/21/25 11:46

Client Sample ID: CS - 5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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

Lab Sample ID: 890-8708-6

Matrix: Solid

Matrix: Solid

Client Sample ID: CS - 6 Date Collected: 08/21/25 09:55 Date Received: 08/21/25 11:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Lab Sample ID: 890-8708-7 Client Sample ID: CS - 7

Date Collected: 08/21/25 10:00 Date Received: 08/21/25 11:46

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.03 g 5 mL 117210 08/21/25 20:30 AΑ **EET MID** Total/NA 8021B 5 mL 117098 08/22/25 06:54 MNR Analysis 1 5 mL **EET MID** Total/NA Analysis Total BTEX 1 117393 08/22/25 06:54 SA **EET MID** Total/NA 8015 NM 117350 08/21/25 22:31 **EET MID** Analysis 1 SA Total/NA Prep 8015NM Prep 10.01 g 10 mL 117208 08/21/25 09:40 **EET MID** 8015B NM 117310 TKC EET MID Total/NA Analysis 1 uL 1 uL 08/21/25 22:31

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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

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

ID	Sample	:טו	890-8708-8	
			Matrix: Solid	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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	Progra	am	Identification Number	Expiration Date
Texas	NELAI)	T104704400	06-30-26
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
for which the agency d	oes not offer certification.	,	, , ,	,
0 ,				
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH	

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
3015NM 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

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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

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:	

www.xenco.com

Project Manager:	Gilber	t Moreno				Bill to: (if differen	Bill to: (if different)				Systems R & R					Work Order Comments									
Company Name:	Earth :	Systems F							Program: UST/PST PRP Brownfields RRC Superfund								uperfund [
Address:	1910 Resource Ct. Address:															State		-						_	
City, State ZIP:	Carlsb	ad, NM, 8	8220			City, State ZIP:																		RRP 🗌	Level IV
		41-7719			Email:	gmoreno@ea	rthsys.r	et									Delive	rables	: EDE		4	ADaP	т 🗆 С	ther:	
Project Name:		Maljamai	r Gas I	Plant	1	urn Around								ANA	LYSIS	RFO	HEST			1			Pres	ervative	Codes
Project Number:		_	- 639		Routine	☑ Rush		Pres. Code				111						1					None: NO	DI	Water: H ₂ O
Project Location:		Lea Co	unty, N	MM	Due Date:	Routine)					- 111											Cool: Cool		eOH: Me
Sampler's Name:		Gilbert	More	no		day received by t	he lab, if					W						M					HCL: HC		NO ₃ : HN
PO/WO#:					rec	eived by 4:30pm		ers) 	90-870	8 Cha	in of C	ustod	у			-			H ₂ S0 ₄ : H ₂		aOH: Na
SAMPLE RECEI		Temp Bla		Yes No	Wet Ice:	Yes N		arameters				<u> </u>							-	-	-		H₃PO₄: HP NaHSO₄: N		
Samples Received In Cooler Custody Seal	The second second	Yes No	No	Thermomete Correction Fa		-0.2		ara							-		-				-		Na ₂ S ₂ O ₃ : N		
Sample Custody Sea		Yes No	~	Temperature		- 7.																•	Zn Acetate		Zn
Total Containers:	213.	163 140	11/1/	Corrected Te		-7.1							ion	als	×	_			ے			NaOH+Aso	corbic Aci	d: SAPC	
Sample Iden	ntificatio	on	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH	Chloride	втех	TDS	Cation/ Anion	TCLP-Metals	TCLP. BTEX	TCLP-RCI		Hold	24 Hr Rush				Sam	ple Com	nments
CS-	1		S	8.21.25	9:30	0.5	Comp	1	Х	Х	Х								Х				Inc	ident Nu	ımber
CS-	2		S	8.21.25	9:35	0.5	Comp	1	Х	Х	Х								·X				nAPP2516756421		
CS-	3		S	8.21.25	9:40	0.5	Comp	1	Х	Х	Х								X						
CS-	4		S	8.21.25	9:45	0.5	Comp	1	Х	Х	Х								X						
CS-	5		S	8.21.25	9:50	0.5	Comp	1	Х	Х	Х								Х						
CS-	6		S	8.21.25	9:55	0.5	Comp	1	Х	Х	Х								X						
CS-	7		S	8.21.25	10:00	0.5	Comp	1	Х	Х	Х								X						
CS-	8		S	8.21.25	10:05	0.5	Comp	1	Х	Х	Х								Х				-		
Total 200.7 / 60		200.8 / 60			8RCRA	13PPM Texas	s 11 A	Sb	As Ba	в Ве	B Cd	Ca	Or Co	Cu	Fe P	Mg	Mn N	lo Ni	K S	e Ag	SiO ₂	Na S	Gr TI Sn U / 245.1 / 74	V Zn	71
Circle Method(s) a																		===	=			103 7	7245.1774	70 / 14/	
otice: Signature of this f service. Eurofins Xend f Eurofins Xenco. A min	co will be	liable only fo	r the cos	et of samples an	d shall not assu	me any responsibil	ity for any	losses	or expe	nses in	curred b	by the cl	ient if s	uch los	ses are	due to c	ircumst	ances b	eyond t	he cont	rol				
Relinguished by	/: (Sign	ature)	0	Rece	eived by: (Şi	ggature)			Date	/Time		R	elinqu	ished	by: (S	ignati	ure)		Rec	eived	by: (Si	ignatu	ıre)	Date	e/Time
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3	Relinquished by: (Signature)	16	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
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3		0	0		4		
5					6		evised 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 Source: Eurofins Carlsbad
List Number: 1

Creator: Bruns, Shannon

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

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8708-1

SDG Number: Lea County, NM

List Source: Eurofins Midland List Creation: 08/21/25 08:29 PM

List Number: 2 Creator: Rios, Minerva

Login Number: 8708

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

QUESTIONS

Action 507968

QUESTIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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			

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

QUESTIONS, Page 2

Action 507968

QUESTIONS	(continued)
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QUESTI	IONS (continued)
Operator: FRONTIER FIELD SERVICES, LLC	OGRID: 221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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.	e. gas only) are to be submitted on the C-129 form.
F =	
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface to does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Sebastian Orozco Title: Sr. Environmental Specialist Email: sorozco@kinetik.com Date: 09/22/2025

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QUESTIONS, Page 3

Action 507968

QUESTIONS (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
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 th	at 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 der	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 vertica	l extents of contamination been fully delineated	Yes	
Was this release entirely co	ontained 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 CI 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 wil	Il the remediation commence	08/13/2025	
On what date will (or did) th	ne final sampling or liner inspection occur	08/21/2025	
On what date will (or was) t	the remediation complete(d)	08/27/2025	
What is the estimated surfa	ce area (in square feet) that will be reclaimed	2000	
What is the estimated volur	ne (in cubic yards) that will be reclaimed	20	
What is the estimated surfa	ce area (in square feet) that will be remediated	2000	
What is the estimated volur	ne (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, Page 4

Action 507968

QUESTIONS (continued)

ı	Operator:	OGRID:
ı	FRONTIER FIELD SERVICES, LLC	221115
ı	303 Veterans Airpark Lane	Action Number:
ı	Midland, TX 79705	507968
ı		Action Type:
ı		[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.
D 0 1 " D (40 45 00 44 NAAO 1 " " 1 1 1 1 " " 1 1 1 1 1 1 1 1 1 1	T

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Name: 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, Page 5

Action 507968

QUESTIONS (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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, Page 6

Action 507968

QUESTIONS (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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

General Information Phone: (505) 629-6116

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QUESTIONS, Page 7

Action 507968

QUESTIONS (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	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

Action 507968

CONDITIONS

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	507968
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Creat By	d Condition	Condition Date
nvel	z None	12/1/2025