

September 19, 2025

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

**RE:** Fadeaway Ridge Compressor Station- Closure Request Report

Incident Number: nAPP2516830043 GPS: 32.6644575°, -104.1734526° Eddy County, New Mexico ESRR Project No. 640

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 produced water and condensate at the Fadeaway Ridge Compressor Station (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 A, Section 16, Township 19 South, Range 28 East, in Eddy County, New Mexico (32.6644575°, -104.1734526°) and is associated with oil and gas exploration and production operations on State Land managed by the New Mexico State Land Office (NMSLO) (**Figure 1**).

On June 17, 2025, a high pressure line caused the release of a mixture of produced water and condensate onto the production pad surface with no reported recovered fluids. It should be noted that the total volume reported by Kinetik should be updated to 22 total barrels (bbls) of produced water and condensate and not 44 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.

Kinetik gave notice to the New Mexico Oil Conservation Division (NMOCD) on June 17, 2025, by Notification of Release (NOR) and a Corrective Action Form C-141 (Form C-141) and was subsequently assigned Incident Number nAPP2516830043. 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 and 5 miles of any continuously flowing watercourse or any other significant watercourse;
- o Between 1 and 5 miles of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;

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- Between 1 and 5 miles of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Between 1 and 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 500 and 1,000 feet of any wetland;
- o Greater than 5 miles of any subsurface mine;
- o Between 1,000 feet and ½ mile of any unstable area (i.e. high karst potential); and
- Between ½ and 1 mile 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, no depth to water wells were found within ½ mile of the Site. The following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria <sup>‡</sup>
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
‡	// TD// / / - / - / - / - / - / - / - /

<sup>&</sup>lt;sup>‡</sup>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 1, 2025, ESRR conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Nine delineation trenches (HA-1 through HA-12) were advanced via mechanical equipment within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. A minimum of two soil samples were collected from each delineation trench, representing the highest observed field screening concentrations and the greatest depth. Delineation soil samples were placed directly into pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities are attached.

Laboratory analytical results for soil samples (HA-1 through HA-4 and HA-6 through HA-12) were compliant with Site Closure Criteria and/or the reclamation standard defining the horizontal periphery of the AOC.

Laboratory analytical results for soil sample (HA-5), collected within the AOC, indicated TPH-GRO+TPH-DRO/TPH and Total BTEX were above the Site Closure Criteria and/or the reclamation standard up to 0.5-foot below grade surface (bgs). Elevated TPH-GRO+TPH-DRO/TPH was characterized by a concentration of 2,780 mg/kg, specifically for TPH-GRO and TPH-DRO. Elevated Total BTEX was characterized by a concentration of 69.5 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.



## **Remediation Activities**

On August 15, 2025, ESRR performed excavation activities of identified impacts via mechanical equipment and hand shovel based on laboratory analytical results associated with delineation soil sampling activities and visual observation. The excavation was vertically advanced to a depth of 1-foot bgs followed by a surficial scrape in the areas where misting occurred.

Following the removal of soil, ESRR collected 5-point composite soil samples of the 1-foot excavation at a sampling frequency of 200 square feet from the floor (CS-1) and sidewalls (SW-1 and SW-2). 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 COCs for all final confirmation soil samples 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 40 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. Frontier 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 nAPP2516830043.

If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or <a href="mailto:smaller:gmoreno@earthsys.net">gmoreno@earthsys.net</a>. 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

cc: Sebastian Orozco, Kinetik Midstream
New Mexico State Land Office

Kris Williams, CHMM, REM Principal

Kris Williams



# 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

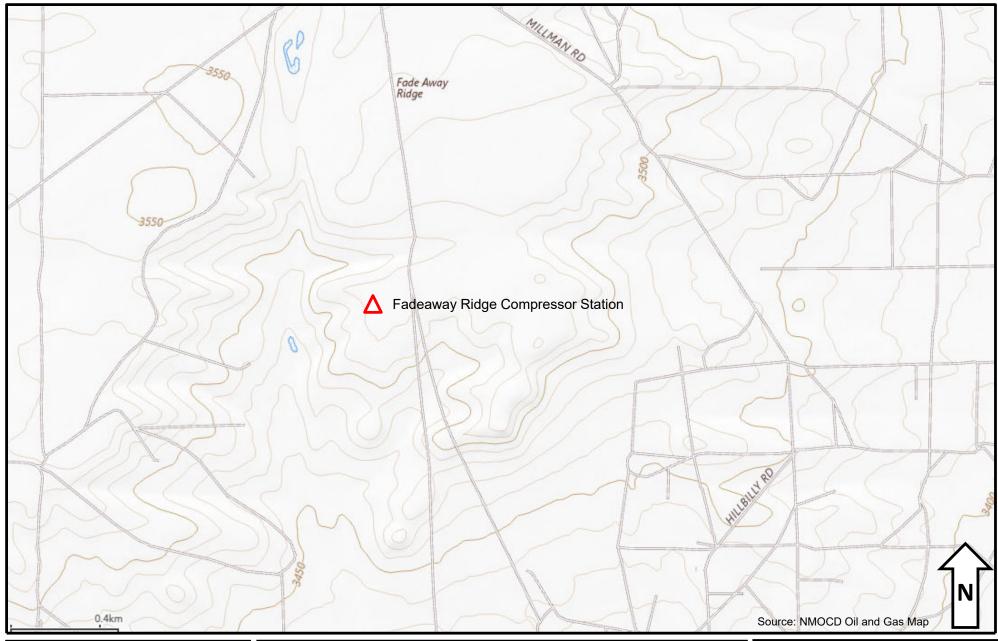
Referenced Well Record

Photographic Documentation

Table 1 - Soil Sample Analytical Results

NMOCD Email Documentation & Correspondance

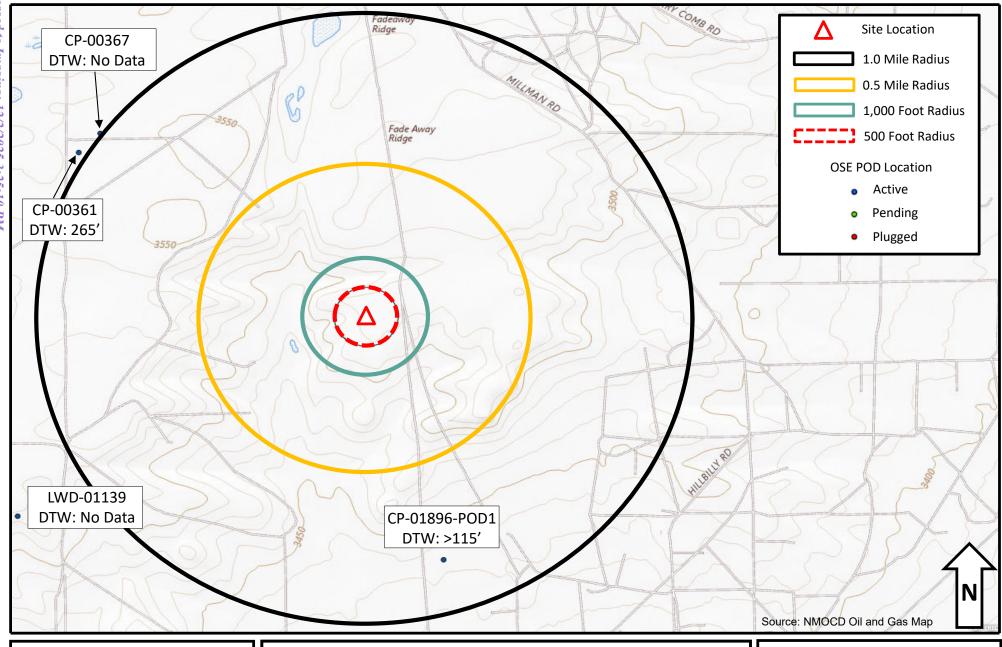
Executed Chain-of-Custody Forms and Laboratory Analytical Reports





# Figure 1 - Site Map







# Figure 1A – Ground Water





# Figure 1B - Karst Potential





Bold and Highlighted denotes concentrations that Exceed Site Closure Criteria and/ or Reclamation Standard

# Figure 2 – Delineation Soil Sample Locations

Kinetik Midstream – Fadeaway Ridge Compressor Station GPS: 32.6644575,-104.1734526 Eddy County, New Mexico



Source: Google Earth Pro Map 2024

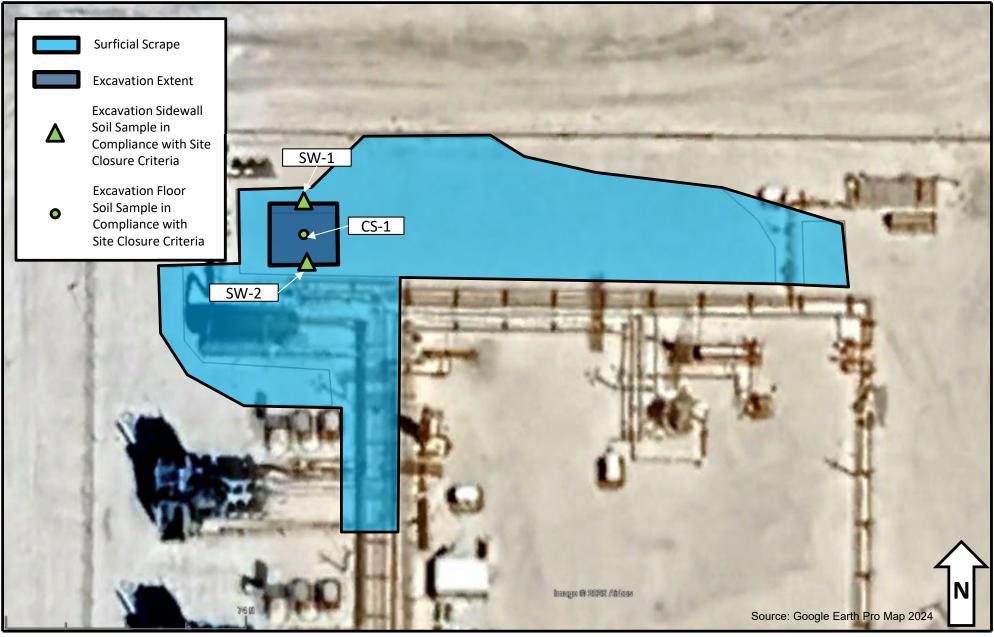




Figure 3 – Excavation Soil Sample Locations





ION	OSE POD NO. POD1	(WELL NO	1.)	- 1	WELL TAG ID NO	Э.		OSE FILE NO CP-1896	(S).	6		
OCAT	WELL OWNER Solaris Wate			•				PHONE (OPTIONAL) 469-978-5620				
WELL I	WELL OWNER 3305 Boyd I		G ADDRESS					CITY Carlsbad		STATE NM 88220	ZIP	
GENERAL AND WELL LOCATION	WELL LOCATION	Lit	DE	EGREES 32	MINUTES 39	SECO 10	ONDS 0.7 N		Y REQUIRED: ONE TEN	TH OF A SECOND		
VER	(FROM GPS	) LO	NGITUDE	104	10	10	0.1 W	* DATUM RE	QUIRED: WGS 84			
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							NAME OF WELL DR Visio	ILLING COMPANY on Resources, Inc.				
	DRILLING STA		DRILLING ENDED 1/10/22	DEPTH OF COM	PLETED WELL (I	FT)	BORE HO	DLE DEPTH (FT) 115	DEPTH WATER FIR	ST ENCOUNTERED (FT dry hole,	")	
Z	COMPLETED	WELL IS:	ARTESIAN	✓ DRY HOLE	SHALLO	OW (UNC	ONFINED)			VEL IN COMPLETED Wineasured 72-hours		
TIO	DRILLING FLU	JID:	✓ AIR	MUD	ADDITI	VES – SPE	ECIFY:					
RMA	DRILLING ME	THOD:	✓ ROTARY	HAMMER	CABLE	TOOL	ОТН	ER – SPECIFY:				
NFC	DEPTH (feet bgl) BORE HOLE			CASING M	ATERIAL AN	D/OR		ASING	CASING	CASING WALL	IG WALL SLOT	
CASING INFORMATION	FROM				(include each casing string, and T			NECTION TYPE pling diameter)	INSIDE DIAM. (inches)			
3 & C	0	115	6.25	no casing, or a	nnular material	installed		,,				
TING												
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7.												
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,	DEPTH (f	eet bgl)	BORE HOLE		`ANNULAR S				AMOUNT	МЕТНО		
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ANNULAR MATERIAL	0	115	6.25	no	casing or anni	ular mate	erial install	ed 				
RM	-								-			
J.L.A.												
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3. A												
76												
FOR FILE	NO.		8910		POD NO	O. T	100	WR-2	0 WELL RECORD &	& LOG (Version 06/2	30/17)	
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	DEPTH (1	feet bgl)	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER BEARING?	ESTIMATED YIELD FOR
	FROM	ТО	(feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	(YES / NO)	WATER- BEARING ZONES (gpm)
	0	10	10	Topsoil, brown, 90% silty sand, 10% 1/4 to 1/2" gravels,	Y ✓ N	
	10	20	10	Sand, dark brown	Y ✓ N	
	20	40	20	80% Gypsum, white, hard, 20% 1/8 to 1/4" gravels	Y ✓N	
	40	115	75	100% sand, fine, brown	y ✓ N	
				Note: borehole left open 72-hours, then checked and no water detected	d. Y ✓ N	
-					Y N	
WE		*			Y N	
O.F.					Y N	
50					Y N	
21					Y N	
ğ					Y N	
SEO					Y N	
S					Y N	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
4					Y N	
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					Y N	
					Y N	
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					Y N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
	PUMI		AIR LIFT	BAILER OTHER – SPECIFY: Hole dry no water	WELL YIELD (gpm):	0.00
2	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVI		
TEST; RIG SUPERVISION	MISCELLANEOUS INFORMATION: Boring drilled to evaluate the absence or presence of groundwater within the upper 105-ft. No water was found. Boring started and total depth reached on 1/10/22. The boring was plugged 1/14/2022.					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTH Jason Fine						IANLICENSEE
						DICENSEE
SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUCORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGAND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
6. SIG		SIGNAT	TURE OF DRILLE	R / PRINT SIGNEE NAME	DATE DATE	2
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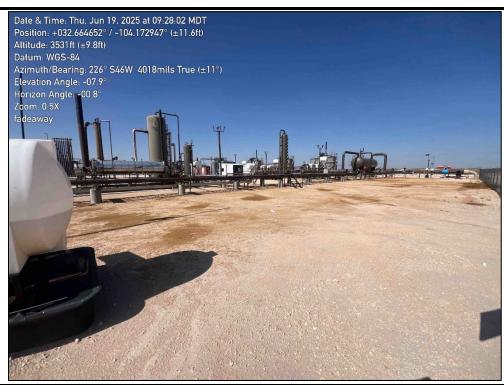


PHOTO 1: Southwest view during initial site assessment. 6/19/2025



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





PHOTO 3: Northern view during delineation activities. 7/1/2025

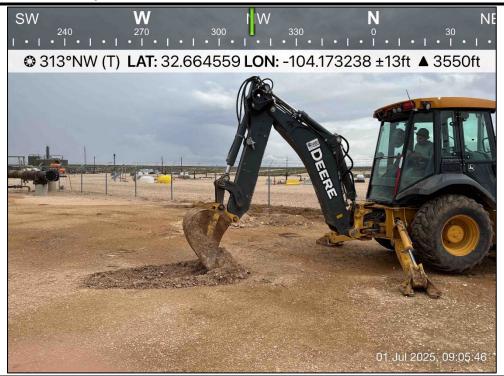


PHOTO 4: Northwestern view during delineation activities. 7/1/2025



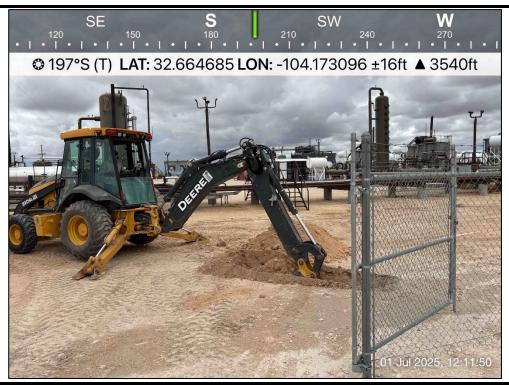


PHOTO 5: Southwestern view during delineation activities. 7/1/2025

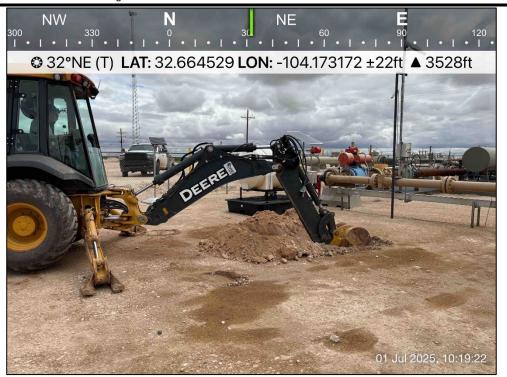


PHOTO 6: Northeastern view during delineation activities. 7/1/2025





PHOTO 7: Southwestern view during excavation activities. 8/15/2025



PHOTO 8: Southeastern view during excavation activities. 8/15/2025





PHOTO 9: Southeastern view during excavation activities. 8/15/2025



PHOTO 10: Northeastern view during excavation activities. 8/15/2025





PHOTO 11: Southwestern view following restoration activities. 8/26/2025



PHOTO 12: Northwestern view following restoration activities. 8/26/2025





PHOTO 13: Eastern view following restoration activities. 8/26/2025

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# Table 1 SOIL SAMPLE ANALYTICAL RESULTS Fadeaway Ridge Compressor Station Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closu Release (NMAC 19.15		oils Impacted by a	10	50	NE	NE	NE	100	600
				Delineation Soil	Samples - nAPP25168	30043			
HA - 1	7/1/2025	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	89.7
HA - 1	7/1/2025	2	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	110
HA - 1	7/1/2025	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	97.7
HA - 2	7/1/2025	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	92.7
HA - 2	7/1/2025	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	102
HA - 2	7/1/2025	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	194
HA - 3	7/1/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	216
HA - 3	7/1/2025	2	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	115
HA - 3	7/1/2025	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	121
HA - 4	7/1/2025	0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	106
HA - 4	7/1/2025	2	<0.00199	0.0125	<49.9	<49.9	<49.9	<49.9	77.7
HA - 4	7/1/2025	4	<0.00199	0.0129	<50.0	<50.0	<50.0	<50.0	101
HA - 4	7/1/2025	6	0.00437	0.432	<49.8	<49.8	<49.8	<49.8	121
HA - 4	7/1/2025	8	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	115
HA - 5	7/1/2025	0.5	0.786	69.5	629	2,150	<49.9	2,780	106
HA - 5	7/1/2025	2	<0.0403	0.237	<50.0	<50.0	<50.0	<50.0	167
HA - 5	7/1/2025	4	<0.00198	0.0289	<49.8	<49.8	<49.8	<49.8	121
HA - 6	7/1/2025	0.5	<0.00199	0.0204	<49.8	<49.8	<49.8	<49.8	111
HA - 6	7/1/2025	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	101
HA - 6	7/1/2025	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	90.5
HA - 7	7/1/2025	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	106
HA - 7	7/1/2025	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	149
HA - 8	7/1/2025	0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	194
HA - 8	7/1/2025	4	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	145
HA - 9	7/1/2025	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	91.8
HA - 9	7/1/2025	4	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	121

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# Table 1 SOIL SAMPLE ANALYTICAL RESULTS Fadeaway Ridge Compressor Station Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closus Release (NMAC 19.15.		ils Impacted by a	10	50	NE	NE	NE	100	600
				Delineation Soil	Samples - nAPP25168	30043			
HA - 10	7/1/2025	0.5	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	137
HA - 10	7/1/2025	4	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	162
HA - 11	7/1/2025	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	90.5
HA - 11	7/1/2025	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	127
HA - 12	7/1/2025	0.5	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	122
HA - 12	7/1/2025	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	108
	Confirmation Soil Samples - nAPP2516830043								
CS - 1	8/15/2025	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<10.0
SW - 1	8/15/2025	0 - 1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	24.0
SW - 2	8/15/2025	0 - 1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	10.0

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in ""grey"" represents excavated soil samples

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

<sup>†</sup>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
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS

Action 478774

# **QUESTIONS**

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	478774
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

## QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2516830043	
Incident Name	NAPP2516830043 FADEAWAY RIDGE COMPRESSOR STATION @ 0	
Incident Type	Produced Water Release	
Incident Status	Initial C-141 Approved	
Incident Facility	[fAPP2123229442] Frontier Field Services Gathering System	

Location of Release Source	
Site Name	Fadeaway Ridge Compressor Station
Date Release Discovered	06/17/2025
Surface Owner	State

Sampling Event General Information			
Please answer all the questions in this group.			
What is the sampling surface area in square feet	9,528		
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	07/01/2025		
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	32.6644575,-104.1734526		

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 478774

## **CONDITIONS**

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	478774
	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

Phone: (505) 629-6116
Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS

Action 493237

# **QUESTIONS**

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	493237
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

## QUESTIONS

Prerequisites							
Incident ID (n#)	nAPP2516830043						
Incident Name	NAPP2516830043 FADEAWAY RIDGE COMPRESSOR STATION @ 0						
Incident Type	Produced Water Release						
Incident Status	Initial C-141 Approved						
Incident Facility	[fAPP2123229442] Frontier Field Services Gathering System						

Location of Release Source					
Site Name	Fadeaway Ridge Compressor Station				
Date Release Discovered	06/17/2025				
Surface Owner	State				

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/15/2025
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	32.0270348,-103.8680038

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 493237

## **CONDITIONS**

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	493237
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

# CONDITIONS

Created	By Condition	Condition Date
sorozc	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
sorozc	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

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 7/8/2025 11:43:58 AM

# **JOB DESCRIPTION**

Fadeaway Ridge Compressoner Station Eddy County, NM

# **JOB NUMBER**

890-8361-1

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 7/8/2025 11:43:58 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: Fadeaway Ridge Compressoner Station Laboratory Job ID: 890-8361-1 SDG: Eddy County, NM

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# **Definitions/Glossary**

Job ID: 890-8361-1 Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station SDG: Eddy County, NM

**Qualifiers** 

**GC VOA** 

Qualifier **Qualifier Description** 

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

**GC Semi VOA** 

Qualifier **Qualifier Description** 

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: 890-8361-1

# **Case Narrative**

Client: Earth Systems Response and Restoration

Project: Fadeaway Ridge Compressoner Station

**Eurofins Carlsbad** 

Job ID: 890-8361-1

## Job Narrative 890-8361-1

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 7/2/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.2°C.

# Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8361-1), HA - 1 (890-8361-2), HA - 1 (890-8361-3), HA - 2 (890-8361-4), HA - 2 (890-8361-5), HA - 2 (890-8361-6), HA - 3 (890-8361-7), HA - 3 (890-8361-8), HA - 3 (890-8361-9), HA - 4 (890-8361-10), HA - 4 (890-8361-11), HA - 4 (890-8361-12), HA - 4 (890-8361-13), HA - 4 (890-8361-14), HA - 5 (890-8361-15), HA - 5 (890-8361-16), HA - 5 (890-8361-17), HA - 6 (890-8361-18), HA - 6 (890-8361-19) and HA - 6 (890-8361-20).

## **GC VOA**

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 4 (890-8361-13), HA - 5 (890-8361-15) and HA - 6 (890-8361-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 5 (890-8361-16) and (890-8381-A-12-F). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: HA - 5 (890-8361-16). Elevated reporting limits (RLs) are provided.

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: HA - 5 (890-8361-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: The file containing the laboratory control sample duplicate (LCSD) is unable to be processed due to a linking error, and therefore the LCSD sample is absent from the batch. However, the matrix spike (MS) and matrix spike duplicate (MSD) both meet acceptance criteria and are therefore use to validate all samples.

(LCS 880-113557/2-A)

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 Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113588 and analytical batch 880-113614 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: HA - 1 (890-8361-1), HA - 1 (890-8361-2), HA - 1 (890-8361-3), HA - 2 (890-8361-4) and HA - 2 (890-8361-5).

# **Case Narrative**

Client: Earth Systems Response and Restoration Project: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1

Job ID: 890-8361-1 (Continued)

**Eurofins Carlsbad** 

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

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Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station Job ID: 890-8361-1

SDG: Eddy County, NM

Client Sample ID: HA - 1

Date Collected: 07/01/25 13:00 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Lab Sample ID: 890-8361-1	
Matrix: Solid	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/02/25 14:59	07/03/25 12:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/02/25 14:59	07/03/25 12:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/02/25 14:59	07/03/25 12:09	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/02/25 14:59	07/03/25 12:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00400	U	0.00400		mg/Kg			07/03/25 12:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.9	U	49.9	mg/Kg			07/03/25 10:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 10:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 10:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 10:25	1
Surrogate	%Recovery	Qualifier	l imits				Prepared	Analyzed	Dil Fac

Carrogate	fortecovery quantities		, repareu	rinaryzou	2
1-Chlorooctane	99	70 _ 130	07/02/25 13:41	07/03/25 10:25	1
o-Terphenyl	109	70 - 130	07/02/25 13:41	07/03/25 10:25	1

Method: EPA 300.0 - Anions, ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	89.7	9.96	mg/Kg			07/03/25 14:13	1

Client Sample ID: HA - 1 Lab Sample ID: 890-8361-2 Date Collected: 07/01/25 13:05 **Matrix: Solid** 

Date Received: 07/02/25 08:00

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/02/25 14:59	07/03/25 12:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/02/25 14:59	07/03/25 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/02/25 14:59	07/03/25 12:29	1

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

Lab Sample ID: 890-8361-2

Matrix: Solid

Client Sample ID: HA - 1

Date Collected: 07/01/25 13:05 Date Received: 07/02/25 08:00

Sample Depth: 2

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	87	70 - 130	07/02/25 14:59	07/03/25 12:29	1

# **Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg		_	07/03/25 12:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	)	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg				07/03/25 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/02/25 13:41	07/03/25 11:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/02/25 13:41	07/03/25 11:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/02/25 13:41	07/03/25 11:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94	70 - 130	07/02/25 13:41	07/03/25 11:08	1
o-Terphenyl	105	70 - 130	07/02/25 13:41	07/03/25 11:08	1

# Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		9.92		mg/Kg			07/03/25 14:18	1

Lab Sample ID: 890-8361-3 Client Sample ID: HA - 1 **Matrix: Solid** 

Date Collected: 07/01/25 13:10 Date Received: 07/02/25 08:00

Sample Depth: 4

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

Michiga. Offoro ouz 15 - folding	, organic comp		,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/02/25 14:59	07/03/25 12:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 12:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/02/25 14:59	07/03/25 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				07/02/25 14:59	07/03/25 12:50	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/02/25 14:59	07/03/25 12:50	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	ma/Ka			07/03/25 12:50	1

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

Analyte	•	Qualifier	RL	MDL Unit		D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0 l	U	50.0	mg/l	 (g			07/03/25 11:22	1	

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

Lab Sample ID: 890-8361-3

Matrix: Solid

07/03/25 14:24

Date Collected: 07/01/25 13:10 Date Received: 07/02/25 08:00 Sample Depth: 4

Client Sample ID: HA - 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		07/02/25 13:41	07/03/25 11:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/02/25 13:41	07/03/25 11:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/02/25 13:41	07/03/25 11:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/02/25 13:41	07/03/25 11:22	1
o-Terphenyl	106		70 - 130				07/02/25 13:41	07/03/25 11:22	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: HA - 2 Lab Sample ID: 890-8361-4 Date Collected: 07/01/25 13:15 Matrix: Solid

10.0

mg/Kg

97.7

Date Received: 07/02/25 08:00

Sample Depth: 0.5

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 13:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 13:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 13:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/02/25 14:59	07/03/25 13:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 13:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/02/25 14:59	07/03/25 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/02/25 14:59	07/03/25 13:10	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/02/25 14:59	07/03/25 13:10	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			07/03/25 13:10	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/25 11:37	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 11:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 11:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/02/25 13:41	07/03/25 11:37	1

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Lab Sample ID: 890-8361-4

Matrix: Solid

Client Sample ID: HA - 2

Date Collected: 07/01/25 13:15 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.7	10.1	mg/Kg			07/03/25 14:30	1

Client Sample ID: HA - 2 Lab Sample ID: 890-8361-5 Matrix: Solid

Date Collected: 07/01/25 13:20

Date Received: 07/02/25 08:00

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 13:31	1
Toluene	< 0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 13:31	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/02/25 14:59	07/03/25 13:31	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/02/25 14:59	07/03/25 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/02/25 14:59	07/03/25 13:31	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/02/25 14:59	07/03/25 13:31	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cale	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/03/25 13:31	1
Method: SW846 8015 NM - Diese	•	, , ,	•	MDI	11-4	D	Dansand	A a b a d	Dil Fac
Analyte Total TPH	<del>Kesuit</del> 	Qualifier	RL 49.9	MDL		— <u>-</u>	Prepared	Analyzed 07/03/25 11:51	— III Fac
iotai iPH	<b>~</b> 49.9	U	49.9		mg/Kg			07/03/25 11:51	ļ
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 11:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 11:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 11:51	1
							Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
Surrogate 1-Chlorooctane	%Recovery 98	Qualifier	70 - 130				07/02/25 13:41	07/03/25 11:51	1
	_ <b></b>	Qualifier					07/02/25 13:41 07/02/25 13:41	07/03/25 11:51 07/03/25 11:51	•
1-Chlorooctane	98 107		70 - 130 70 - 130						1
1-Chlorooctane o-Terphenyl	98 107 Chromatograp		70 - 130 70 - 130	MDL	Unit	D			•

Matrix: Solid

# **Client Sample Results**

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

Lab Sample ID: 890-8361-6

07/02/25 13:41

07/03/25 13:28

Lab Sample ID: 890-8361-7

**Matrix: Solid** 

Client Sample ID: HA - 2

Date Collected: 07/01/25 13:25 Date Received: 07/02/25 08:00

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198		0.00198		mg/Kg	— <u> </u>	07/02/25 14:59	07/03/25 13:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:59	07/03/25 13:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:59	07/03/25 13:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/02/25 14:59	07/03/25 13:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:59	07/03/25 13:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/02/25 14:59	07/03/25 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				07/02/25 14:59	07/03/25 13:51	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/02/25 14:59	07/03/25 13:51	1
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/03/25 13:51	1
Method: SW846 8015 NM - Diese	l Pange Organ	ice (DRO) (	GC)						
Method: SW846 8015 NM - Diese		, , ,	•	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH		Qualifier	GC)  RL  50.0	MDL	Unit mg/Kg	D	Prepared	<b>Analyzed</b> 07/03/25 13:28	Dil Fac
Analyte Total TPH		Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		
Analyte	Result <50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u>D</u>	Prepared Prepared		
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg	<u> </u>		07/03/25 13:28	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <50.0  sel Range Orga Result	Qualifier U  unics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	07/03/25 13:28  Analyzed	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0  Sel Range Orga Result <50.0	Qualifier U  unics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:41 07/02/25 13:41	07/03/25 13:28  Analyzed  07/03/25 13:28  07/03/25 13:28	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0  Sel Range Orga Result <50.0	Qualifier U  unics (DRO) Qualifier U	RL     50.0		mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:41	07/03/25 13:28  Analyzed  07/03/25 13:28	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U  unics (DRO) Qualifier U  U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 07/02/25 13:41 07/02/25 13:41	07/03/25 13:28  Analyzed  07/03/25 13:28  07/03/25 13:28	1 Dil Fac 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier

RL MDL Unit D Prepared Dil Fac Analyzed 10.1 07/03/25 14:54 Chloride 194 mg/Kg

70 - 130

Client Sample ID: HA - 3 Date Collected: 07/01/25 13:30

Date Received: 07/02/25 08:00

Sample Depth: 0.5

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 14:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 14:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 14:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/02/25 14:59	07/03/25 14:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 14:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/02/25 14:59	07/03/25 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/02/25 14:59	07/03/25 14:11	1

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station Job ID: 890-8361-1

SDG: Eddy County, NM

Client Sample ID: HA - 3

Date Collected: 07/01/25 13:30 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Lab Sample ID: 890-8361-7

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 07/02/25 14:59 1,4-Difluorobenzene (Surr) 87 07/03/25 14:11

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00399 0.00399 07/03/25 14:11 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 07/03/25 13:42 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 07/03/25 13:42 Gasoline Range Organics 50.0 07/02/25 13:41 (GRO)-C6-C10 <50.0 U 50.0 07/02/25 13:41 07/03/25 13:42 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/02/25 13:41 07/03/25 13:42

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 95 70 - 130 07/02/25 13:41 07/03/25 13:42 07/03/25 13:42 105 70 - 130 07/02/25 13:41 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 10.0 07/03/25 15:15 Chloride 216 mg/Kg

Lab Sample ID: 890-8361-8 Client Sample ID: HA - 3

Date Collected: 07/01/25 13:35 Date Received: 07/02/25 08:00

Sample Depth: 2

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 07/02/25 14:59 07/03/25 14:32 Toluene <0.00200 U 0.00200 07/02/25 14:59 07/03/25 14:32 mg/Kg Ethylbenzene <0.00200 U 0.00200 07/02/25 14:59 07/03/25 14:32 mg/Kg 07/03/25 14:32 m-Xylene & p-Xylene <0.00401 U 0.00401 07/02/25 14:59 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 07/02/25 14:59 07/03/25 14:32 Xylenes, Total <0.00401 U 0.00401 mg/Kg 07/02/25 14:59 07/03/25 14:32

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 4-Bromofluorobenzene (Surr) 117 07/02/25 14:59 07/03/25 14:32 1,4-Difluorobenzene (Surr) 90 70 - 130 07/02/25 14:59 07/03/25 14:32

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL D Unit Prepared Analyzed Dil Fac Total BTEX <0.00401 0.00401 07/03/25 14:32 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 07/03/25 13:56 mg/Kg

**Eurofins Carlsbad** 

**Matrix: Solid** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station Job ID: 890-8361-1

SDG: Eddy County, NM

Sample Depth: 2

Client Sample ID: HA - 3	Lab Sample ID: 890-8361-8
Date Collected: 07/01/25 13:35	Matrix: Solid
Date Received: 07/02/25 08:00	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 13:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 13:56	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/02/25 13:41	07/03/25 13:56	1
o-Terphenyl	104		70 - 130				07/02/25 13:41	07/03/25 13:56	1
- Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte									

Lab Sample ID: 890-8361-9 Client Sample ID: HA - 3 Date Collected: 07/01/25 13:40 Matrix: Solid

Date Received: 07/02/25 08:00

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:59	07/03/25 14:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:59	07/03/25 14:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:59	07/03/25 14:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/02/25 14:59	07/03/25 14:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:59	07/03/25 14:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/02/25 14:59	07/03/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				07/02/25 14:59	07/03/25 14:52	1
1,4-Difluorobenzene (Surr)	85		70 - 130				07/02/25 14:59	07/03/25 14:52	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/03/25 14:52	1
- -					mg/Kg			07/03/25 14:52	1
Total BTEX  Method: SW846 8015 NM - Diese  Analyte	I Range Organ			MDL	mg/Kg Unit	D	Prepared	07/03/25 14:52  Analyzed	
: Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)	MDL		<u>D</u>	Prepared		1 Dil Fac
Method: SW846 8015 NM - Diese Analyte	I Range Organ Result <49.9	ics (DRO) (Gualifier	RL 49.9	MDL	Unit	<u> </u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	I Range Organ Result <a href="#">&lt;49.9</a> sel Range Organ	ics (DRO) (Gualifier	RL 49.9		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	I Range Organ Result <a href="#">&lt;49.9</a> sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		Unit mg/Kg	=		Analyzed 07/03/25 14:11	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	I 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		Unit mg/Kg  Unit mg/Kg	=	Prepared 07/02/25 13:41	Analyzed 07/03/25 14:11  Analyzed 07/03/25 14:11	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 <a href="#">&lt;49.9</a> sel Range Orga Result	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U	RL 49.9 (GC)		Unit mg/Kg	=	Prepared	Analyzed 07/03/25 14:11	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	I 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		Unit mg/Kg  Unit mg/Kg	=	Prepared 07/02/25 13:41	Analyzed 07/03/25 14:11  Analyzed 07/03/25 14:11	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)	I Range Organ Result 49.9 sel Range Orga Result 49.9 <49.9	ics (DRO) (COMPANIES (DRO)) Qualifier U Qualifier U U U	GC)  RL 49.9  (GC)  RL 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg	=	Prepared 07/02/25 13:41 07/02/25 13:41	Analyzed 07/03/25 14:11  Analyzed 07/03/25 14:11  07/03/25 14:11	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 49.9 sel Range Orga Result  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 07/02/25 13:41 07/02/25 13:41 07/02/25 13:41	Analyzed 07/03/25 14:11  Analyzed 07/03/25 14:11 07/03/25 14:11 07/03/25 14:11	Dil Fac  Dil Fac  1

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station Job ID: 890-8361-1

SDG: Eddy County, NM

Client Sample ID: HA - 3

Date Collected: 07/01/25 13:40 Date Received: 07/02/25 08:00

Sample Depth: 4

Lab Sample ID: 890-8361-9

Matrix: Solid

Method: EPA 300.0 - Anions, Ion C	hromatography -	Soluble						
Analyte	Result Qual	lifier RL	MDL U	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121	9.92	n	mg/Kg			07/03/25 15:30	1

Client Sample ID: HA - 4 Lab Sample ID: 890-8361-10 **Matrix: Solid** 

Date Collected: 07/01/25 13:45 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/02/25 14:59	07/03/25 15:13	
Toluene	<0.00202	U	0.00202		mg/Kg		07/02/25 14:59	07/03/25 15:13	,
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/02/25 14:59	07/03/25 15:13	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/02/25 14:59	07/03/25 15:13	
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/02/25 14:59	07/03/25 15:13	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/02/25 14:59	07/03/25 15:13	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	123		70 - 130				07/02/25 14:59	07/03/25 15:13	
1,4-Difluorobenzene (Surr)	86		70 - 130				07/02/25 14:59	07/03/25 15:13	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/03/25 15:13	•
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/25 14:27	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 14:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 14:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 14:27	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	93		70 - 130				07/02/25 13:41	07/03/25 14:27	
o-Terphenyl	104		70 - 130				07/02/25 13:41	07/03/25 14:27	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
					•				

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

Lab Sample ID: 890-8361-11

Job ID: 890-8361-1

Matrix: Solid

Client Sample ID: HA - 4

Date Collected: 07/01/25 13:50 Date Received: 07/02/25 08:00

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 16:46	1
Toluene	0.00453		0.00199		mg/Kg		07/02/25 14:59	07/03/25 16:46	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 16:46	1
m-Xylene & p-Xylene	0.00798		0.00398		mg/Kg		07/02/25 14:59	07/03/25 16:46	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 16:46	1
Xylenes, Total	0.00798		0.00398		mg/Kg		07/02/25 14:59	07/03/25 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				07/02/25 14:59	07/03/25 16:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/02/25 14:59	07/03/25 16:46	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0125		0.00398		mg/Kg	<del></del>		07/03/25 16:46	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg	<del></del>		07/03/25 14:55	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 14:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 14:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/02/25 13:41	07/03/25 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/02/25 13:41	07/03/25 14:55	1

Client Sample ID: HA - 4

Date Collected: 07/01/25 13:55 Date Received: 07/02/25 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

77.7

Sample Depth: 4

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 17:07	1
Toluene	0.00599		0.00199		mg/Kg		07/02/25 14:59	07/03/25 17:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 17:07	1
m-Xylene & p-Xylene	0.00694		0.00398		mg/Kg		07/02/25 14:59	07/03/25 17:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 17:07	1
Xylenes, Total	0.00694		0.00398		mg/Kg		07/02/25 14:59	07/03/25 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/02/25 14:59	07/03/25 17:07	1

RL

9.92

MDL Unit

mg/Kg

D

Prepared

Analyzed

07/03/25 15:58

Lab Sample ID: 890-8361-12

Dil Fac

**Matrix: Solid** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station Job ID: 890-8361-1 SDG: Eddy County, NM

Client Sample ID: HA - 4

Date Collected: 07/01/25 13:55 Date Received: 07/02/25 08:00

Sample Depth: 4

.ab Sampl	le ID:	890-8	361-12
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. Matrix: Solid

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

 Surrogate
 %Recovery 1,4-Diffuorobenzene (Surr)
 Qualifier 2
 Limits 3
 Prepared 3
 Analyzed 4
 Dil Fact 5

 70 - 130
 07/02/25 14:59
 07/03/25 17:07
 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result Total BTEX
 Qualifier
 RL O.00398
 MDL Unit mg/Kg
 D Prepared Prepared Prepared O.7/03/25 17:07
 Analyzed Dil Fac Driver Dil Fac Dil Fa

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

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <50.0</td>
 U
 50.0
 mg/Kg
 07/03/25 15:10
 1

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

**MDL** Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <50.0 U 50.0 mg/Kg 07/03/25 15:10 Gasoline Range Organics 07/02/25 13:41 (GRO)-C6-C10 <50.0 U 50.0 07/02/25 13:41 07/03/25 15:10 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/02/25 13:41 07/03/25 15:10

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 95 70 - 130 07/02/25 13:41 07/03/25 15:10 07/03/25 15:10 105 70 - 130 07/02/25 13:41 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 101
 10.1
 mg/Kg
 07/03/25 16:06
 1

Client Sample ID: HA - 4 Lab Sample ID: 890-8361-13

Date Collected: 07/01/25 14:00 Date Received: 07/02/25 08:00

Sample Depth: 6

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

Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Benzene 0.00437 0.00200 mg/Kg 07/02/25 14:59 07/03/25 17:27 0.00200 07/02/25 14:59 07/03/25 17:27 0.0838 mg/Kg **Toluene** 0.00200 07/02/25 14:59 07/03/25 17:27 Ethylbenzene 0.0694 mg/Kg 07/03/25 17:27 0.00399 07/02/25 14:59 m-Xylene & p-Xylene mg/Kg 0.190 o-Xylene 0.0846 0.00200 mg/Kg 07/02/25 14:59 07/03/25 17:27 0.00399 mg/Kg 07/02/25 14:59 07/03/25 17:27 **Xylenes, Total** 0.275

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed S1+ 4-Bromofluorobenzene (Surr) 132 70 - 13007/02/25 14:59 07/03/25 17:27 1,4-Difluorobenzene (Surr) 90 70 - 130 07/02/25 14:59 07/03/25 17:27

Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result Total BTEX
 Qualifier
 RL MDL Unit
 D Prepared
 Analyzed Analyzed
 Dil Fac

 Total BTEX
 0.432
 0.00399
 mg/Kg
 07/03/25 17:27
 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</td>
 U
 49.8
 mg/Kg
 07/03/25 15:24
 1

**Eurofins Carlsbad** 

4

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<del>ا</del>

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11

14

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**Matrix: Solid** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

Lab Sample ID: 890-8361-14

**Matrix: Solid** 

Lab Sample ID: 890-8361-13

Job ID: 890-8361-1

Matrix: Solid

Client Sample ID: HA - 4

Date Collected: 07/01/25 14:00 Date Received: 07/02/25 08:00

Sample Depth: 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 15:24	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 15:24	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/02/25 13:41	07/03/25 15:24	1
o-Terphenyl	104		70 - 130				07/02/25 13:41	07/03/25 15:24	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	rtoouit	-,					•		

Client Sample ID: HA - 4

Date Collected: 07/01/25 14:05

Date Received: 07/02/25 08:00

Sample Depth: 8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:59	07/03/25 17:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:59	07/03/25 17:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:59	07/03/25 17:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/02/25 14:59	07/03/25 17:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:59	07/03/25 17:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/02/25 14:59	07/03/25 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				07/02/25 14:59	07/03/25 17:48	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/02/25 14:59	07/03/25 17:48	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/03/25 17:48	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	<49.7	U	49.7		mg/Kg			07/03/25 15:40	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/02/25 13:41	07/03/25 15:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/02/25 13:41	07/03/25 15:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/02/25 13:41	07/03/25 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				07/02/25 13:41	07/03/25 15:40	1
	102		70 - 130				07/02/25 13:41	07/03/25 15:40	

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

Lab Sample ID: 890-8361-14

Matrix: Solid

Client Sample ID: HA - 4 Date Collected: 07/01/25 14:05

Date Received: 07/02/25 08:00

Sample Depth: 8

N	lethod: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Α	nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
С	hloride	115		9.94		mg/Kg			07/03/25 16:20	1

Client Sample ID: HA - 5 Lab Sample ID: 890-8361-15 **Matrix: Solid** 

Date Collected: 07/01/25 14:10 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.786		0.202		mg/Kg		07/07/25 09:39	07/07/25 19:42	100
Toluene	18.2		0.202		mg/Kg		07/07/25 09:39	07/07/25 19:42	100
Ethylbenzene	10.7		0.202		mg/Kg		07/07/25 09:39	07/07/25 19:42	100
m-Xylene & p-Xylene	28.6		0.404		mg/Kg		07/07/25 09:39	07/07/25 19:42	100
o-Xylene	11.2		0.202		mg/Kg		07/07/25 09:39	07/07/25 19:42	100
Xylenes, Total	39.8		0.404		mg/Kg		07/07/25 09:39	07/07/25 19:42	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	544	S1+	70 - 130				07/02/25 14:59	07/03/25 18:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/02/25 14:59	07/03/25 18:08	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	69.5		0.404		mg/Kg			07/07/25 19:42	1
Total BTEX	69.5	<u> </u>			mg/Kg			07/07/25 19:42	1
Total BTEX  Method: SW846 8015 NM - Diese	69.5 el Range Organ	ics (DRO) (	GC)						
Total BTEX  Method: SW846 8015 NM - Diese Analyte	69.5 el Range Organ Result	<u> </u>	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese	69.5 el Range Organ	ics (DRO) (	GC)	MDL		<u>D</u>	Prepared		Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte	69.5 el Range Organ Result 2780	ics (DRO) (( Qualifier	RL 49.9	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 2780 sel Range Orga	ics (DRO) (( Qualifier	RL 49.9		Unit	<u>D</u>	Prepared Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result 2780 sel Range Orga	Qualifier	RL 49.9 (GC)		Unit mg/Kg			Analyzed 07/03/25 15:54	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result 2780 sel Range Orga Result	Qualifier	RL 49.9 (GC)		Unit mg/Kg		Prepared	Analyzed 07/03/25 15:54 Analyzed	Dil Fac
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	el Range Organ Result 2780 sel Range Orga Result 629	Qualifier  nics (DRO) Qualifier	(GC)  RL  49.9  (GC)  RL  49.9		Unit mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:41	Analyzed 07/03/25 15:54  Analyzed 07/03/25 15:54	Dil Fac
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)	el Range Organ Result 2780 sel Range Orga Result 629 2150	ics (DRO) (Qualifier  nics (DRO) Qualifier	(GC)  RL 49.9  (GC)  RL 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:41 07/02/25 13:41	Analyzed 07/03/25 15:54  Analyzed 07/03/25 15:54  07/03/25 15:54	Dil Fac
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)	el Range Organ Result 2780 sel Range Orga Result 629 2150 <49.9	ics (DRO) (Qualifier  nics (DRO) Qualifier	GC)  RL 49.9  (GC)  RL 49.9  49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:41 07/02/25 13:41	Analyzed 07/03/25 15:54  Analyzed 07/03/25 15:54 07/03/25 15:54	Dil Fac

**Eurofins Carlsbad** 

Analyzed 07/03/25 16:27

RL

9.92

MDL Unit

mg/Kg

D

Prepared

Dil Fac

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

Date Collected: 07/01/25 14:15

Date Received: 07/02/25 08:00

# **Client Sample Results**

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8361-16

Matrix: Solid

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.0403	U	0.0403		mg/Kg		07/07/25 09:45	07/07/25 19:21	2
Toluene	<0.0403	U	0.0403		mg/Kg		07/07/25 09:45	07/07/25 19:21	20
Ethylbenzene	<0.0403	U	0.0403		mg/Kg		07/07/25 09:45	07/07/25 19:21	20
m-Xylene & p-Xylene	0.237		0.0806		mg/Kg		07/07/25 09:45	07/07/25 19:21	20
o-Xylene	<0.0403	U	0.0403		mg/Kg		07/07/25 09:45	07/07/25 19:21	20
Xylenes, Total	0.237		0.0806		mg/Kg		07/07/25 09:45	07/07/25 19:21	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	130		70 - 130				07/07/25 09:45	07/07/25 19:21	20
1,4-Difluorobenzene (Surr)	86		70 - 130				07/07/25 09:45	07/07/25 19:21	20
Method: TAL SOP Total BTEX - T	otal BTFX Cald	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	0.237	-	0.0000		mg/Kg			07/07/25 19:21	
Method: SW846 8015 NM - Diese	el Range Organ		•						
Method: SW846 8015 NM - Diese	el Range Organ		GC)						
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	Qualifier	GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ	Qualifier	GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result <50.0	Qualifier U	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.0 sel Range Organ	Qualifier U	GC) RL 50.0		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Organ	Qualifier U nics (DRO) Qualifier	GC)  RL  50.0		Unit mg/Kg			Analyzed 07/03/25 16:09	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <50.0 sel Range Orga Result	Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.0  (GC)  RL		Unit mg/Kg		Prepared	Analyzed 07/03/25 16:09 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)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:41 07/02/25 13:41	Analyzed 07/03/25 16:09  Analyzed 07/03/25 16:09 07/03/25 16:09	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 <50.0 sel Range Orga Result <50.0	Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.0  (GC)  RL  50.0		Unit mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:41	Analyzed 07/03/25 16:09  Analyzed 07/03/25 16:09	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 <50.0 sel Range Orga Result <50.0 <50.0	Qualifier U  nics (DRO) Qualifier U  U	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:41 07/02/25 13:41	Analyzed 07/03/25 16:09  Analyzed 07/03/25 16:09 07/03/25 16:09	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	sel Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	Qualifier U  nics (DRO) Qualifier U  U	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:41 07/02/25 13:41 07/02/25 13:41	Analyzed 07/03/25 16:09  Analyzed 07/03/25 16:09 07/03/25 16:09 07/03/25 16:09	Dil Fac

Client Sample ID: HA - 5 Lab Sample ID: 890-8361-17 Date Collected: 07/01/25 14:20

RL

10.0

Result Qualifier

167

MDL Unit

mg/Kg

D

Prepared

Analyzed

07/03/25 16:34

Dil Fac

**Matrix: Solid** 

Date Received: 07/02/25 08:00

Sample Depth: 4

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:59	07/03/25 18:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:59	07/03/25 18:49	1
Ethylbenzene	0.0198		0.00198		mg/Kg		07/02/25 14:59	07/03/25 18:49	1
m-Xylene & p-Xylene	0.00909		0.00396		mg/Kg		07/02/25 14:59	07/03/25 18:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:59	07/03/25 18:49	1
Xylenes, Total	0.00909		0.00396		mg/Kg		07/02/25 14:59	07/03/25 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				07/02/25 14:59	07/03/25 18:49	1

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

Lab Sample ID: 890-8361-17

Matrix: Solid

Sample Depth: 4

Client Sample ID: HA - 5

Date Collected: 07/01/25 14:20

Date Received: 07/02/25 08:00

Method: SW846 8021B - Volatile	Organic Comp	ounds (GC	) (Continued)						
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130				07/02/25 14:59	07/03/25 18:49	1
- Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0289		0.00396		mg/Kg	<del></del>		07/03/25 18:49	1
- Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/25 16:24	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	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 16:24	1
(GRO)-C6-C10	40.0		40.0				07/00/05 10 11	07/00/05 40 04	
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 16:24	1
C10-C28) Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/02/25 13:41	07/03/25 16:24	
o-Terphenyl	102		70 <sub>-</sub> 130				07/02/25 13:41	07/03/25 16:24	1

Client Sample ID: HA - 6 Lab Sample ID: 890-8361-18 Date Collected: 07/01/25 14:25 **Matrix: Solid** 

RL

10.1

MDL Unit

mg/Kg

D

Prepared

Analyzed

07/03/25 16:56

Dil Fac

Date Received: 07/02/25 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

121

Sample Depth: 0.5

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 19:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 19:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:59	07/03/25 19:09	1
m-Xylene & p-Xylene	0.0118		0.00398		mg/Kg		07/02/25 14:59	07/03/25 19:09	1
o-Xylene	0.00860		0.00199		mg/Kg		07/02/25 14:59	07/03/25 19:09	1
Xylenes, Total	0.0204		0.00398		mg/Kg		07/02/25 14:59	07/03/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				07/02/25 14:59	07/03/25 19:09	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/02/25 14:59	07/03/25 19:09	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0204		0.00398		mg/Kg			07/03/25 19:09	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8		49.8		mg/Kg			07/03/25 16:38	

**Eurofins Carlsbad** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

Lab Sample ID: 900 9361 19

Client Sample ID: HA - 6

Date Collected: 0 Date Received: 07/02/25 08:00

Sample Depth: 0.5

e ID: ПА - 6	Lab Sample ID: 890-8361-18	
07/01/25 14:25	Matrix: Solid	
07/00/07 00 00		

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 16:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 16:38	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:41	07/03/25 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				07/02/25 13:41	07/03/25 16:38	1
o-Terphenyl	102		70 - 130				07/02/25 13:41	07/03/25 16:38	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
, , , , , , , , , , , , , , , , , , ,									

Client Sample ID: HA - 6 Lab Sample ID: 890-8361-19

Date Collected: 07/01/25 14:30 Date Received: 07/02/25 08:00

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 19:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 19:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 19:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/02/25 14:59	07/03/25 19:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 19:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/02/25 14:59	07/03/25 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				07/02/25 14:59	07/03/25 19:30	1
1,4-Difluorobenzene (Surr)	85		70 - 130				07/02/25 14:59	07/03/25 19:30	1
Analyte Total BTEX	<0.00400	Qualifier U	0.00400	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 07/03/25 19:30	
Total BTEX  Method: SW846 8015 NM - Diese	<0.00400	ics (DRO) (	0.00400 GC)		mg/Kg			07/03/25 19:30	1
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00400 el Range Organ Result	ics (DRO) (Qualifier	0.00400 GC)		mg/Kg Unit	<u>D</u>	Prepared	07/03/25 19:30  Analyzed	1
Total BTEX	<0.00400	ics (DRO) (Qualifier	0.00400 GC)		mg/Kg			07/03/25 19:30	1
Total BTEX  Method: SW846 8015 NM - Diese Analyte	<0.00400 el Range Organ Result <50.0	ics (DRO) (Gualifier	0.00400 GC) RL 50.0		mg/Kg Unit			07/03/25 19:30  Analyzed	1
Total BTEX  Method: SW846 8015 NM - Diese Analyte  Total TPH	<0.00400 el Range Organ Result <p>&lt;50.0</p> sel Range Orga	ics (DRO) (Gualifier	0.00400 GC) RL 50.0	MDL	mg/Kg Unit			07/03/25 19:30  Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese	<0.00400 el Range Organ Result <p>&lt;50.0</p> sel Range Orga	ics (DRO) ((Qualifier U)	0.00400  GC)  RL  50.0  (GC)	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	07/03/25 19:30  Analyzed  07/03/25 16:53	Dil Fac
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>&lt;50.0</p> sel Range Orga Result	ics (DRO) ((Qualifier U)  mics (DRO) Qualifier U  Qualifier U	0.00400  GC)  RL  50.0  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	07/03/25 19:30  Analyzed  07/03/25 16:53  Analyzed	Dil Fac
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 <50.0 sel Range Orga Result <50.0	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  07/02/25 13:41	07/03/25 19:30  Analyzed 07/03/25 16:53  Analyzed 07/03/25 16:53	Dil Fac  Dil Fac
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	ics (DRO) (CQualifier U)  mics (DRO) Qualifier U  U  U  U	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  07/02/25 13:41  07/02/25 13:41	Analyzed 07/03/25 16:53  Analyzed 07/03/25 16:53  07/03/25 16:53	Dil Fac  Dil Fac  1
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) (CQualifier U)  mics (DRO) Qualifier U  U  U  U	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  07/02/25 13:41  07/02/25 13:41	07/03/25 19:30  Analyzed 07/03/25 16:53  Analyzed 07/03/25 16:53 07/03/25 16:53	Dil Fac  Dil Fac  1  Dil Fac  1

**Eurofins Carlsbad** 

Matrix: Solid

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station Job ID: 890-8361-1

SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Collected: 07/01/25 14:30 Date Received: 07/02/25 08:00

Sample Depth: 2

Lab Sample ID: 890-8361-19

Matrix: Solid

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		9.90		mg/Kg			07/03/25 17:25	1

Client Sample ID: HA - 6 Lab Sample ID: 890-8361-20 **Matrix: Solid** 

Date Collected: 07/01/25 14:35 Date Received: 07/02/25 08:00

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 19:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 19:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 19:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/02/25 14:59	07/03/25 19:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 19:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/02/25 14:59	07/03/25 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				07/02/25 14:59	07/03/25 19:50	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/02/25 14:59	07/03/25 19:50	1

Method: TAL SOP Total BTEX - Total	al BTEX Calc	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/03/25 19:50	1

Method: SW846 8015 NM - Diesel F	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			07/03/25 17:08	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		07/02/25 13:41	07/03/25 17:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/02/25 13:41	07/03/25 17:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/02/25 13:41	07/03/25 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/02/25 13:41	07/03/25 17:08	1
o-Terphenyl	100		70 <sub>-</sub> 130				07/02/25 13:41	07/03/25 17:08	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.5		9.92		mg/Kg			07/03/25 17:32	1

# **Surrogate Summary**

Client: Earth Systems Response and Restoration
Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

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Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		DED4	DED74	Percent Surrogate Recovery (Acceptance Limits)
l ah Sampla ID	Client Comple ID	BFB1 (70-130)	DFBZ1 (70-130)	
<b>Lab Sample ID</b> 890-8361-1	Client Sample ID  HA - 1	124	90	
890-8361-1 MS	HA - 1	114	95	
890-8361-1 MSD	HA - 1	120	94	
890-8361-2	HA - 1	117	87	
890-8361-3	HA - 1	123	86	
890-8361-4	HA - 2	114	90	
890-8361-5	HA - 2	118	88	
890-8361-6	HA - 2	117	90	
890-8361-7 890-8361-8	HA - 3 HA - 3	120	87	
890-8361-8 890-8361-9	HA - 3	117	90 85	
890-8361-10	HA - 4 HA - 4	123	86	
890-8361-11		130	88	
890-8361-12	HA - 4	119	89	
890-8361-13	HA - 4	132 S1+	90	
890-8361-14	HA - 4	128	88	
890-8361-15	HA - 5	544 S1+	97	
890-8361-16	HA - 5	130	86	
890-8361-17	HA - 5	120	86	
890-8361-18	HA - 6	126	90	
890-8361-19	HA - 6	132 S1+	85	
890-8361-20	HA - 6	124	91	
LCS 880-113564/1-A	Lab Control Sample	121	92	
LCS 880-113677/1-A	Lab Control Sample	97	100	
LCS 880-113678/1-A	Lab Control Sample	125	93	
LCSD 880-113564/2-A	Lab Control Sample Dup	121	93	
LCSD 880-113677/2-A	Lab Control Sample Dup	99	100	
LCSD 880-113678/2-A	Lab Control Sample Dup	126	93	
MB 880-113564/5-A	Method Blank	118	80	
MB 880-113677/5-A	Method Blank	99	85	
MB 880-113678/5-A	Method Blank	119	84	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

_				Percent Surrogate Recovery (A
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8361-1	HA - 1	99	109	
890-8361-1 MS	HA - 1	116	119	
890-8361-1 MSD	HA - 1	115	120	
890-8361-2	HA - 1	94	105	
890-8361-3	HA - 1	96	106	
890-8361-4	HA - 2	94	104	
890-8361-5	HA - 2	98	107	
890-8361-6	HA - 2	95	101	

# **Surrogate Summary**

Client: Earth Systems Response and Restoration Job ID: 890-8361-1 Project/Site: Fadeaway Ridge Compressoner Station SDG: Eddy County, NM

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

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

		4004	OTBU	Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
b Sample ID	Client Sample ID	(70-130)	(70-130)	
90-8361-7 I	HA - 3	95	105	
00-8361-8	HA - 3	94	104	
00-8361-9	HA - 3	94	104	
00-8361-10	HA - 4	93	104	
00-8361-11 I	HA - 4	95	105	
00-8361-12	HA - 4	95	105	
00-8361-13	HA - 4	94	104	
00-8361-14 I	HA - 4	92	102	
00-8361-15	HA - 5	127	158 S1+	
00-8361-16	HA - 5	96	109	
00-8361-17 I	HA - 5	91	102	
00-8361-18	HA - 6	92	102	
00-8361-19	HA - 6	91	102	
00-8361-20 I	HA - 6	91	100	
CS 880-113557/2-A	Lab Control Sample	106	112	
B 880-113557/1-A	Method Blank	74	84	
Surrogate Legend				
Surrogate Legend  1CO = 1-Chlorooctane				

OTPH = o-Terphenyl

Job ID: 890-8361-1

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

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

Lab Sample ID: MB 880-113564/5-A

**Matrix: Solid** 

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

Analysis Batch: 113583

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 113564** 

MB	MB						•	
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 11:47	1
<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 11:47	1
<0.00200	U	0.00200		mg/Kg		07/02/25 14:59	07/03/25 11:47	1
<0.00400	U	0.00400		mg/Kg		07/02/25 14:59	07/03/25 11:47	1

mg/Kg

mg/Kg

MB MB

<0.00200 U

<0.00400 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	07/02/25 14:59	07/03/25 11:47	1
1 4-Difluorobenzene (Surr)	80		70 130	07/02/25 14:59	07/03/25 11:47	1

0.00200

0.00400

**Client Sample ID: Lab Control Sample** 

07/02/25 14:59 07/03/25 11:47

07/02/25 14:59 07/03/25 11:47

Matrix: Solid

Lab Sample ID: LCS 880-113564/1-A

Analysis Batch: 113583

Prep Type: Total/NA

Prep Batch: 113564

	<b>Spike</b>	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08166		mg/Kg		82	70 - 130	
Toluene	0.100	0.07522		mg/Kg		75	70 - 130	
Ethylbenzene	0.100	0.08108		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	0.200	0.1593		mg/Kg		80	70 - 130	
o-Xylene	0.100	0.08679		mg/Kg		87	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	121	70 - 130
1,4-Difluorobenzene (Surr)	92	70 - 130

Lab Sample ID: LCSD 880-113564/2-A

**Matrix: Solid** 

Analysis Batch: 113583

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA

**Prep Batch: 113564** 

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08242		mg/Kg		82	70 - 130	1	35	
Toluene	0.100	0.07581		mg/Kg		76	70 - 130	1	35	
Ethylbenzene	0.100	0.08152		mg/Kg		82	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.1602		mg/Kg		80	70 - 130	1	35	
o-Xylene	0.100	0.08736		mg/Kg		87	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1.4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-8361-1 MS

**Matrix: Solid** 

Analysis Batch: 113583

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

Prep Batch: 113564

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08963		mg/Kg		90	70 - 130	
Toluene	<0.00200	U	0.100	0.08089		mg/Kg		81	70 - 130	

# QC Sample Results

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station SDG: Eddy County, NM

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

Lab Sample ID: 890-8361-1 MS **Matrix: Solid** 

Analysis Batch: 113583

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

**Prep Batch: 113564** 

Sample	Sample	Spike	MS	MS				%Rec	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00200	U	0.100	0.08643		mg/Kg		86	70 - 130	
<0.00400	U	0.200	0.1689		mg/Kg		84	70 - 130	
<0.00200	U	0.100	0.09051		mg/Kg		91	70 - 130	
-	Result   <0.00200   <0.00400	<0.00400 U	Result         Qualifier         Added           <0.00200	Result         Qualifier         Added         Result           <0.00200	Result         Qualifier         Added         Result         Qualifier           <0.00200	Result         Qualifier         Added         Result         Qualifier         Unit           <0.00200	Result         Qualifier         Added         Result         Qualifier         Unit         D           <0.00200	Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec           <0.00200	Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec         Limits           <0.00200

MS MS

Surrogate	%Recovery C	ualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-8361-1 MSD Client Sample ID: HA - 1 **Matrix: Solid** Prep Type: Total/NA Prep Batch: 113564

Analysis Batch: 113583

Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.100 Benzene <0.00200 U 0.1031 mg/Kg 103 70 - 130 14 35 0.09429 Toluene <0.00200 U 0.100 mg/Kg 94 70 - 130 15 35 Ethylbenzene <0.00200 U 0.100 0.1011 mg/Kg 101 70 - 130 16 35 <0.00400 U 0.200 0.1973 70 - 130 35 m-Xylene & p-Xylene mg/Kg 99 15 <0.00200 U 0.100 0.1049 70 - 130 o-Xylene mg/Kg 105 15

MSD MSD Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 120 1,4-Difluorobenzene (Surr) 70 - 130 94

Lab Sample ID: MB 880-113677/5-A

**Matrix: Solid** 

Analysis Batch: 113674

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 113677** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/25 09:39	07/07/25 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/25 09:39	07/07/25 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/25 09:39	07/07/25 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/25 09:39	07/07/25 11:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/25 09:39	07/07/25 11:38	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		07/07/25 09:39	07/07/25 11:38	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/07/25 09:39	07/07/25 11:38	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/07/25 09:39	07/07/25 11:38	1

Lab Sample ID: LCS 880-113677/1-A

**Matrix: Solid** 

Analysis Batch: 113674

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

**Prep Batch: 113677** 

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.09360		mg/Kg		94	70 - 130
Toluene	0.100	0.09203		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.1015		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130

**Eurofins Carlsbad** 

Job ID: 890-8361-1

# QC Sample Results

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-113677/1-A **Matrix: Solid** 

Analysis Batch: 113674

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Job ID: 890-8361-1

**Prep Batch: 113677** 

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits D 0.100 0 1032 103 70 - 130 o-Xylene mg/Kg

70 - 130

LCS LCS %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 97 70 - 130

100

Lab Sample ID: LCSD 880-113677/2-A

**Matrix: Solid** 

1,4-Difluorobenzene (Surr)

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113677 Analysis Batch: 113674 LCSD LCSD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD D

RPD Limit 70 - 130 35 70 - 130 35 2 70 - 130 3 35 35

Benzene 0.100 0.09427 mg/Kg 94 Toluene 0.100 0.09383 mg/Kg 94 Ethylbenzene 0.100 0.1043 mg/Kg 104 m-Xylene & p-Xylene 0.200 0.2141 mg/Kg 107 70 - 130 0.100 0.1069 107 70 - 130 35 o-Xylene mg/Kg LCSD LCSD

Limits

Surrogate %Recovery Qualifier 4-Bromofluorobenzene (Surr) 99

70 - 130 100 70 - 130 1,4-Difluorobenzene (Surr)

Lab Sample ID: MB 880-113678/5-A Client Sample ID: Method Blank **Matrix: Solid** 

Analysis Batch: 113673

мв мв

Prep Type: Total/NA **Prep Batch: 113678** 

MDL Unit RL D Dil Fac Analyte Result Qualifier Prepared Analyzed Benzene <0.00200 0.00200 07/07/25 09:45 07/07/25 11:36 mg/Kg Toluene <0.00200 U 0.00200 07/07/25 09:45 07/07/25 11:36 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 07/07/25 09:45 07/07/25 11:36 m-Xylene & p-Xylene <0.00400 U 0.00400 07/07/25 09:45 07/07/25 11:36 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 07/07/25 09:45 07/07/25 11:36 Xylenes, Total <0.00400 U 0.00400 mg/Kg 07/07/25 09:45 07/07/25 11:36

MB MB

Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 119 70 - 130 07/07/25 09:45 07/07/25 11:36 1,4-Difluorobenzene (Surr) 84 70 - 130 07/07/25 09:45 07/07/25 11:36

Lab Sample ID: LCS 880-113678/1-A

**Matrix: Solid** Analysis Batch: 113673

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 113678

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits 111 0.100 0 1115 70 - 130Benzene mg/Kg Toluene 0.100 0.09895 mg/Kg 99 70 - 130 0.100 0.1053 mg/Kg 105 70 - 130 Ethylbenzene m-Xylene & p-Xylene 0.200 0.2048 mg/Kg 102 70 - 130 o-Xylene 0.100 0.1087 mg/Kg 109 70 - 130

Client: Earth Systems Response and Restoration

Project/Site: Fadeaway Ridge Compressoner Station

SD0

Job ID: 890-8361-1 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-113678/1-A

Matrix: Solid

Analysis Batch: 113673

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Batch: 113678** 

LCS LCS

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 125
 70 - 130

 1,4-Difluorobenzene (Surr)
 93
 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

**Prep Batch: 113678** 

Lab Sample ID: LCSD 880-113678/2-A Matrix: Solid

Analysis Batch: 113673

Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.1110		mg/Kg		111	70 - 130	0	35
0.100	0.09823		mg/Kg		98	70 - 130	1	35
0.100	0.1046		mg/Kg		105	70 - 130	1	35
0.200	0.2029		mg/Kg		101	70 - 130	1	35
0.100	0.1084		mg/Kg		108	70 - 130	0	35
	Added 0.100 0.100 0.100 0.200	Added Result 0.100 0.1110 0.100 0.09823 0.100 0.1046 0.200 0.2029	Added         Result         Qualifier           0.100         0.1110           0.100         0.09823           0.100         0.1046           0.200         0.2029	Added         Result         Qualifier         Unit           0.100         0.1110         mg/Kg           0.100         0.09823         mg/Kg           0.100         0.1046         mg/Kg           0.200         0.2029         mg/Kg	Added         Result         Qualifier         Unit         D           0.100         0.1110         mg/Kg           0.100         0.09823         mg/Kg           0.100         0.1046         mg/Kg           0.200         0.2029         mg/Kg	Added         Result         Qualifier         Unit         D         %Rec           0.100         0.1110         mg/Kg         111           0.100         0.09823         mg/Kg         98           0.100         0.1046         mg/Kg         105           0.200         0.2029         mg/Kg         101	Added         Result         Qualifier         Unit         D         %Rec         Limits           0.100         0.1110         mg/Kg         111         70 - 130           0.100         0.09823         mg/Kg         98         70 - 130           0.100         0.1046         mg/Kg         105         70 - 130           0.200         0.2029         mg/Kg         101         70 - 130	Added         Result         Qualifier         Unit         D         %Rec         Limits         RPD           0.100         0.1110         mg/Kg         111         70 - 130         0           0.100         0.09823         mg/Kg         98         70 - 130         1           0.100         0.1046         mg/Kg         105         70 - 130         1           0.200         0.2029         mg/Kg         101         70 - 130         1

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-113557/1-A

Matrix: Solid

Analysis Batch: 113610

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 113557** 

	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		07/02/25 13:40	07/03/25 07:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/02/25 13:40	07/03/25 07:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/02/25 13:40	07/03/25 07:57	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	07/02/25 13:4	07/03/25 07:57	1
o-Terphenyl	84		70 - 130	07/02/25 13:4	0 07/03/25 07:57	1

Lab Sample ID: LCS 880-113557/2-A

Matrix: Solid

Analysis Batch: 113610

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

**Prep Batch: 113557** 

		<b>Spike</b>	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Gasoline Range Organics	1000	1149		mg/Kg		115	70 - 130	
	(GRO)-C6-C10								
	Diesel Range Organics (Over	1000	1277		mg/Kg		128	70 - 130	
ı	0.4.0.0003								

C10-C28)

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	112		70 - 130

# QC Sample Results

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station Job ID: 890-8361-1

SDG: Eddy County, NM

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

Lab Sample ID: 890-8361-1 MS

**Matrix: Solid** 

Analysis Batch: 113610

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

Prep Batch: 113557

Analysis Batch: 113610									Prep	Batch:	113557
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.9	U	996	1119		mg/Kg		112	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	996	1201		mg/Kg		121	70 - 130		
C10-C28)											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								

70 - 130

70 - 130

Lab Sample ID: 890-8361-1 MSD

**Matrix: Solid** 

1-Chlorooctane o-Terphenyl

Analysis Batch: 113610

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

**Prep Batch: 113557** 

MSD MSD %Rec RPD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit 996 109 3 Gasoline Range Organics <49.9 U 1087 mg/Kg 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 996 1184 mg/Kg 119 70 - 130 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 115 70 - 130 120 70 - 130 o-Terphenyl

116

119

# Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113588/1-A

**Matrix: Solid** 

Analysis Batch: 113614

Client Sample ID: Method Blank **Prep Type: Soluble** 

Analyte Result Qualifier MDL Unit RL Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 07/03/25 11:45 mg/Kg

Lab Sample ID: LCS 880-113588/2-A

**Matrix: Solid Prep Type: Soluble** Analysis Batch: 113614 LCS LCS %Rec

Spike Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 253.7 101 90 - 110 mg/Kg

MB MB

Lab Sample ID: LCSD 880-113588/3-A

Matrix: Solid

Analysis Batch: 113614

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

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Chloride 250 102 254.1 mg/Kg 90 - 110 20

**Eurofins Carlsbad** 

**Client Sample ID: Lab Control Sample** 

# QC Sample Results

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

**Prep Type: Soluble** 

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-113589/1-A

Lab Sample ID: LCS 880-113589/2-A

**Matrix: Solid** 

Analysis Batch: 113620

мв мв

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 mg/Kg 07/03/25 14:32

Client Sample ID: Lab Control Sample

**Prep Type: Soluble** 

Client Sample ID: Method Blank

Client Sample ID: HA - 2

Client Sample ID: HA - 5

Client Sample ID: HA - 5

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Analysis Batch: 113620** 

**Matrix: Solid** 

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 240.0 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-113589/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 113620

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 244.0 mg/Kg 90 - 110

Lab Sample ID: 890-8361-6 MS Client Sample ID: HA - 2 **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 113620

MS MS Sample Sample Spike %Rec Added %Rec Analyte Result Qualifier Result Qualifier Unit D Limits Chloride 194 252 440.5 90 - 110 mg/Kg

Lab Sample ID: 890-8361-6 MSD

**Matrix: Solid** 

Analysis Batch: 113620

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 252 Chloride 194 432.0 mg/Kg 94 90 - 110 20

Lab Sample ID: 890-8361-16 MS

**Matrix: Solid** 

Analysis Batch: 113620

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 167 251 4197 mg/Kg 101 90 - 110

Lab Sample ID: 890-8361-16 MSD

Released to Imaging: 12/2/2025 3:25:10 PM

**Matrix: Solid** 

Analysis Batch: 113620

MSD MSD %Rec RPD Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Limits RPD Limit Unit D %Rec Chloride 167 251 410.4 mg/Kg 97 90 - 110 20

Client: Earth Systems Response and Restoration Job ID: 890-8361-1 Project/Site: Fadeaway Ridge Compressoner Station SDG: Eddy County, NM

**GC VOA** 

Prep Batch: 113564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-8361-1	HA - 1	Total/NA	Solid	5035	
890-8361-2	HA - 1	Total/NA	Solid	5035	
890-8361-3	HA - 1	Total/NA	Solid	5035	
890-8361-4	HA - 2	Total/NA	Solid	5035	
890-8361-5	HA - 2	Total/NA	Solid	5035	
890-8361-6	HA - 2	Total/NA	Solid	5035	
890-8361-7	HA - 3	Total/NA	Solid	5035	
890-8361-8	HA - 3	Total/NA	Solid	5035	
890-8361-9	HA - 3	Total/NA	Solid	5035	
890-8361-10	HA - 4	Total/NA	Solid	5035	
890-8361-11	HA - 4	Total/NA	Solid	5035	
890-8361-12	HA - 4	Total/NA	Solid	5035	
890-8361-13	HA - 4	Total/NA	Solid	5035	
890-8361-14	HA - 4	Total/NA	Solid	5035	
890-8361-15	HA - 5	Total/NA	Solid	5035	
890-8361-17	HA - 5	Total/NA	Solid	5035	
890-8361-18	HA - 6	Total/NA	Solid	5035	
890-8361-19	HA - 6	Total/NA	Solid	5035	
890-8361-20	HA - 6	Total/NA	Solid	5035	
MB 880-113564/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113564/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113564/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8361-1 MS	HA - 1	Total/NA	Solid	5035	
890-8361-1 MSD	HA - 1	Total/NA	Solid	5035	

Analysis Batch: 113583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8361-1	HA - 1	Total/NA	Solid	8021B	113564
890-8361-2	HA - 1	Total/NA	Solid	8021B	113564
890-8361-3	HA - 1	Total/NA	Solid	8021B	113564
390-8361-4	HA - 2	Total/NA	Solid	8021B	113564
890-8361-5	HA - 2	Total/NA	Solid	8021B	113564
890-8361-6	HA - 2	Total/NA	Solid	8021B	113564
890-8361-7	HA - 3	Total/NA	Solid	8021B	113564
390-8361-8	HA - 3	Total/NA	Solid	8021B	113564
890-8361-9	HA - 3	Total/NA	Solid	8021B	113564
390-8361-10	HA - 4	Total/NA	Solid	8021B	113564
390-8361-11	HA - 4	Total/NA	Solid	8021B	113564
390-8361-12	HA - 4	Total/NA	Solid	8021B	113564
890-8361-13	HA - 4	Total/NA	Solid	8021B	113564
890-8361-14	HA - 4	Total/NA	Solid	8021B	113564
890-8361-15	HA - 5	Total/NA	Solid	8021B	113564
390-8361-17	HA - 5	Total/NA	Solid	8021B	113564
890-8361-18	HA - 6	Total/NA	Solid	8021B	113564
390-8361-19	HA - 6	Total/NA	Solid	8021B	113564
390-8361-20	HA - 6	Total/NA	Solid	8021B	113564
MB 880-113564/5-A	Method Blank	Total/NA	Solid	8021B	113564
_CS 880-113564/1-A	Lab Control Sample	Total/NA	Solid	8021B	113564
_CSD 880-113564/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113564
390-8361-1 MS	HA - 1	Total/NA	Solid	8021B	113564
890-8361-1 MSD	HA - 1	Total/NA	Solid	8021B	113564

Client: Earth Systems Response and Restoration

Job ID: 890-8361-1

Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

### **GC VOA**

### Analysis Batch: 113673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8361-16	HA - 5	Total/NA	Solid	8021B	113678
MB 880-113678/5-A	Method Blank	Total/NA	Solid	8021B	113678
LCS 880-113678/1-A	Lab Control Sample	Total/NA	Solid	8021B	113678
LCSD 880-113678/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113678

#### Analysis Batch: 113674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8361-15	HA - 5	Total/NA	Solid	8021B	113677
MB 880-113677/5-A	Method Blank	Total/NA	Solid	8021B	113677
LCS 880-113677/1-A	Lab Control Sample	Total/NA	Solid	8021B	113677
LCSD 880-113677/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113677

### Prep Batch: 113677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-8361-15	HA - 5	Total/NA	Solid	5035
MB 880-113677/5-A	Method Blank	Total/NA	Solid	5035
LCS 880-113677/1-A	Lab Control Sample	Total/NA	Solid	5035
LCSD 880-113677/2-A	Lab Control Sample Dup	Total/NA	Solid	5035

# **Prep Batch: 113678**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8361-16	HA - 5	Total/NA	Solid	5035	
MB 880-113678/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113678/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113678/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

# Analysis Batch: 113723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-8361-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8361-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8361-3	HA - 1	Total/NA	Solid	Total BTEX	
890-8361-4	HA - 2	Total/NA	Solid	Total BTEX	
390-8361-5	HA - 2	Total/NA	Solid	Total BTEX	
390-8361-6	HA - 2	Total/NA	Solid	Total BTEX	
390-8361-7	HA - 3	Total/NA	Solid	Total BTEX	
390-8361-8	HA - 3	Total/NA	Solid	Total BTEX	
390-8361-9	HA - 3	Total/NA	Solid	Total BTEX	
390-8361-10	HA - 4	Total/NA	Solid	Total BTEX	
390-8361-11	HA - 4	Total/NA	Solid	Total BTEX	
390-8361-12	HA - 4	Total/NA	Solid	Total BTEX	
390-8361-13	HA - 4	Total/NA	Solid	Total BTEX	
390-8361-14	HA - 4	Total/NA	Solid	Total BTEX	
390-8361-15	HA - 5	Total/NA	Solid	Total BTEX	
390-8361-16	HA - 5	Total/NA	Solid	Total BTEX	
390-8361-17	HA - 5	Total/NA	Solid	Total BTEX	
390-8361-18	HA - 6	Total/NA	Solid	Total BTEX	
390-8361-19	HA - 6	Total/NA	Solid	Total BTEX	
390-8361-20	HA - 6	Total/NA	Solid	Total BTEX	

Client: Earth Systems Response and Restoration

Job ID: 890-8361-1

Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

# GC Semi VOA

**Prep Batch: 113557** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-8361-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8361-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-8361-3	HA - 1	Total/NA	Solid	8015NM Prep	
890-8361-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-8361-5	HA - 2	Total/NA	Solid	8015NM Prep	
890-8361-6	HA - 2	Total/NA	Solid	8015NM Prep	
890-8361-7	HA - 3	Total/NA	Solid	8015NM Prep	
890-8361-8	HA - 3	Total/NA	Solid	8015NM Prep	
890-8361-9	HA - 3	Total/NA	Solid	8015NM Prep	
890-8361-10	HA - 4	Total/NA	Solid	8015NM Prep	
890-8361-11	HA - 4	Total/NA	Solid	8015NM Prep	
890-8361-12	HA - 4	Total/NA	Solid	8015NM Prep	
890-8361-13	HA - 4	Total/NA	Solid	8015NM Prep	
890-8361-14	HA - 4	Total/NA	Solid	8015NM Prep	
890-8361-15	HA - 5	Total/NA	Solid	8015NM Prep	
890-8361-16	HA - 5	Total/NA	Solid	8015NM Prep	
890-8361-17	HA - 5	Total/NA	Solid	8015NM Prep	
890-8361-18	HA - 6	Total/NA	Solid	8015NM Prep	
890-8361-19	HA - 6	Total/NA	Solid	8015NM Prep	
890-8361-20	HA - 6	Total/NA	Solid	8015NM Prep	
MB 880-113557/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113557/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
890-8361-1 MS	HA - 1	Total/NA	Solid	8015NM Prep	
890-8361-1 MSD	HA - 1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8361-1	HA - 1	Total/NA	Solid	8015B NM	113557
890-8361-2	HA - 1	Total/NA	Solid	8015B NM	113557
890-8361-3	HA - 1	Total/NA	Solid	8015B NM	113557
890-8361-4	HA - 2	Total/NA	Solid	8015B NM	113557
890-8361-5	HA - 2	Total/NA	Solid	8015B NM	113557
890-8361-6	HA - 2	Total/NA	Solid	8015B NM	113557
890-8361-7	HA - 3	Total/NA	Solid	8015B NM	113557
890-8361-8	HA - 3	Total/NA	Solid	8015B NM	113557
890-8361-9	HA - 3	Total/NA	Solid	8015B NM	113557
890-8361-10	HA - 4	Total/NA	Solid	8015B NM	113557
890-8361-11	HA - 4	Total/NA	Solid	8015B NM	113557
890-8361-12	HA - 4	Total/NA	Solid	8015B NM	113557
890-8361-13	HA - 4	Total/NA	Solid	8015B NM	113557
890-8361-14	HA - 4	Total/NA	Solid	8015B NM	113557
890-8361-15	HA - 5	Total/NA	Solid	8015B NM	113557
890-8361-16	HA - 5	Total/NA	Solid	8015B NM	113557
890-8361-17	HA - 5	Total/NA	Solid	8015B NM	113557
890-8361-18	HA - 6	Total/NA	Solid	8015B NM	113557
890-8361-19	HA - 6	Total/NA	Solid	8015B NM	113557
890-8361-20	HA - 6	Total/NA	Solid	8015B NM	113557
MB 880-113557/1-A	Method Blank	Total/NA	Solid	8015B NM	113557
LCS 880-113557/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113557
890-8361-1 MS	HA - 1	Total/NA	Solid	8015B NM	113557
890-8361-1 MSD	HA - 1	Total/NA	Solid	8015B NM	113557

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Client: Earth Systems Response and Restoration Job ID: 890-8361-1 Project/Site: Fadeaway Ridge Compressoner Station SDG: Eddy County, NM

# **GC Semi VOA**

### Analysis Batch: 113686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-8361-1	HA - 1	Total/NA	Solid	8015 NM	
890-8361-2	HA - 1	Total/NA	Solid	8015 NM	
890-8361-3	HA - 1	Total/NA	Solid	8015 NM	
390-8361-4	HA - 2	Total/NA	Solid	8015 NM	
890-8361-5	HA - 2	Total/NA	Solid	8015 NM	
890-8361-6	HA - 2	Total/NA	Solid	8015 NM	
390-8361-7	HA - 3	Total/NA	Solid	8015 NM	
890-8361-8	HA - 3	Total/NA	Solid	8015 NM	
390-8361-9	HA - 3	Total/NA	Solid	8015 NM	
390-8361-10	HA - 4	Total/NA	Solid	8015 NM	
390-8361-11	HA - 4	Total/NA	Solid	8015 NM	
390-8361-12	HA - 4	Total/NA	Solid	8015 NM	
390-8361-13	HA - 4	Total/NA	Solid	8015 NM	
390-8361-14	HA - 4	Total/NA	Solid	8015 NM	
390-8361-15	HA - 5	Total/NA	Solid	8015 NM	
390-8361-16	HA - 5	Total/NA	Solid	8015 NM	
390-8361-17	HA - 5	Total/NA	Solid	8015 NM	
90-8361-18	HA - 6	Total/NA	Solid	8015 NM	
390-8361-19	HA - 6	Total/NA	Solid	8015 NM	
390-8361-20	HA - 6	Total/NA	Solid	8015 NM	

### HPLC/IC

#### Leach Batch: 113588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8361-1	HA - 1	Soluble	Solid	DI Leach	
890-8361-2	HA - 1	Soluble	Solid	DI Leach	
890-8361-3	HA - 1	Soluble	Solid	DI Leach	
890-8361-4	HA - 2	Soluble	Solid	DI Leach	
890-8361-5	HA - 2	Soluble	Solid	DI Leach	
MB 880-113588/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113588/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113588/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-8361-6	HA - 2	Soluble	Solid	DI Leach	
390-8361-7	HA - 3	Soluble	Solid	DI Leach	
390-8361-8	HA - 3	Soluble	Solid	DI Leach	
890-8361-9	HA - 3	Soluble	Solid	DI Leach	
390-8361-10	HA - 4	Soluble	Solid	DI Leach	
390-8361-11	HA - 4	Soluble	Solid	DI Leach	
390-8361-12	HA - 4	Soluble	Solid	DI Leach	
390-8361-13	HA - 4	Soluble	Solid	DI Leach	
390-8361-14	HA - 4	Soluble	Solid	DI Leach	
390-8361-15	HA - 5	Soluble	Solid	DI Leach	
390-8361-16	HA - 5	Soluble	Solid	DI Leach	
390-8361-17	HA - 5	Soluble	Solid	DI Leach	
390-8361-18	HA - 6	Soluble	Solid	DI Leach	
390-8361-19	HA - 6	Soluble	Solid	DI Leach	
390-8361-20	HA - 6	Soluble	Solid	DI Leach	

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Leach Batch: 113589

Client: Earth Systems Response and Restoration

Job ID: 890-8361-1

Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

# **HPLC/IC** (Continued)

# Leach Batch: 113589 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-113589/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113589/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113589/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8361-6 MS	HA - 2	Soluble	Solid	DI Leach	
890-8361-6 MSD	HA - 2	Soluble	Solid	DI Leach	
890-8361-16 MS	HA - 5	Soluble	Solid	DI Leach	
890-8361-16 MSD	HA - 5	Soluble	Solid	DI Leach	

### Analysis Batch: 113614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8361-1	HA - 1	Soluble	Solid	300.0	113588
890-8361-2	HA - 1	Soluble	Solid	300.0	113588
890-8361-3	HA - 1	Soluble	Solid	300.0	113588
890-8361-4	HA - 2	Soluble	Solid	300.0	113588
890-8361-5	HA - 2	Soluble	Solid	300.0	113588
MB 880-113588/1-A	Method Blank	Soluble	Solid	300.0	113588
LCS 880-113588/2-A	Lab Control Sample	Soluble	Solid	300.0	113588
LCSD 880-113588/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113588

# Analysis Batch: 113620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8361-6	HA - 2	Soluble	Solid	300.0	113589
890-8361-7	HA - 3	Soluble	Solid	300.0	113589
890-8361-8	HA - 3	Soluble	Solid	300.0	113589
890-8361-9	HA - 3	Soluble	Solid	300.0	113589
890-8361-10	HA - 4	Soluble	Solid	300.0	113589
890-8361-11	HA - 4	Soluble	Solid	300.0	113589
890-8361-12	HA - 4	Soluble	Solid	300.0	113589
890-8361-13	HA - 4	Soluble	Solid	300.0	113589
890-8361-14	HA - 4	Soluble	Solid	300.0	113589
890-8361-15	HA - 5	Soluble	Solid	300.0	113589
890-8361-16	HA - 5	Soluble	Solid	300.0	113589
890-8361-17	HA - 5	Soluble	Solid	300.0	113589
890-8361-18	HA - 6	Soluble	Solid	300.0	113589
890-8361-19	HA - 6	Soluble	Solid	300.0	113589
890-8361-20	HA - 6	Soluble	Solid	300.0	113589
MB 880-113589/1-A	Method Blank	Soluble	Solid	300.0	113589
LCS 880-113589/2-A	Lab Control Sample	Soluble	Solid	300.0	113589
LCSD 880-113589/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113589
890-8361-6 MS	HA - 2	Soluble	Solid	300.0	113589
890-8361-6 MSD	HA - 2	Soluble	Solid	300.0	113589
890-8361-16 MS	HA - 5	Soluble	Solid	300.0	113589
890-8361-16 MSD	HA - 5	Soluble	Solid	300.0	113589

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Client Sample ID: HA - 1

Date Collected: 07/01/25 13:00 Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 12:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 12:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 10:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 10:25	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113588	07/03/25 09:21	SA	EET MID
Soluble	Analysis	300.0		1			113614	07/03/25 14:13	SMC	EET MID

Client Sample ID: HA - 1

Date Collected: 07/01/25 13:05

Lab Sample ID: 890-8361-2

Matrix: Solid

Date Collected: 07/01/25 13:05

Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 12:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 11:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 11:08	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113588	07/03/25 09:21	SA	EET MID
Soluble	Analysis	300.0		1			113614	07/03/25 14:18	SMC	EET MID

Client Sample ID: HA - 1

Date Collected: 07/01/25 13:10

Lab Sample ID: 890-8361-3

Matrix: Solid

Date Received: 07/02/25 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 12:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 12:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 11:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 11:22	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113588	07/03/25 09:21	SA	EET MID
Soluble	Analysis	300.0		1			113614	07/03/25 14:24	SMC	EET MID

Client Sample ID: HA - 2

Date Collected: 07/01/25 13:15

Lab Sample ID: 890-8361-4

Matrix: Solid

Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 13:10	SA	EET MID

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Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Lab Sample ID: 890-8361-4

SDG: Eddy County, NM

Job ID: 890-8361-1

Matrix: Solid

Client Sample ID: HA - 2
Date Collected: 07/01/25 13:15

Date Received: 07/02/25 08:00

	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			113686	07/03/25 11:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 11:37	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113588	07/03/25 09:21	SA	EET MID
Soluble	Analysis	300.0		1			113614	07/03/25 14:30	SMC	EET MID

Client Sample ID: HA - 2 Lab Sample ID: 890-8361-5

Date Collected: 07/01/25 13:20 Matrix: Solid
Date Received: 07/02/25 08:00

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 113564 07/02/25 14:59 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 113583 07/03/25 13:31 MNR EET MID 1 Total/NA Total BTEX 07/03/25 13:31 Analysis 1 113723 SA **EET MID** Total/NA Analysis 8015 NM 113686 07/03/25 11:51 EET MID SA EET MID Total/NA Prep 8015NM Prep 10.03 g 10 mL 113557 07/02/25 13:41 EL Total/NA Analysis 8015B NM 1 uL 1 uL 113610 07/03/25 11:51 TKC **EET MID** Soluble Leach DI Leach 5.03 g 50 mL 113588 07/03/25 09:21 SA **EET MID** Soluble Analysis 300.0 1 113614 07/03/25 14:35 SMC **EET MID** 

Client Sample ID: HA - 2 Lab Sample ID: 890-8361-6

Date Collected: 07/01/25 13:25 Matrix: Solid
Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 13:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 13:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 13:28	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 14:54	SMC	EET MID

Client Sample ID: HA - 3 Lab Sample ID: 890-8361-7

Date Collected: 07/01/25 13:30 Matrix: Solid
Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 14:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 13:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 13:42	TKC	EET MID

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Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

Client Sample ID: HA - 3

Date Collected: 07/01/25 13:30 Date Received: 07/02/25 08:00 Lab Sample ID: 890-8361-7

Matrix: Solid

Job ID: 890-8361-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 15:15	SMC	EET MID

Client Sample ID: HA - 3 Lab Sample ID: 890-8361-8

Date Collected: 07/01/25 13:35 **Matrix: Solid** 

Date Received: 07/02/25 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 14:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 13:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 13:56	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 15:22	SMC	EET MID

Client Sample ID: HA - 3 Lab Sample ID: 890-8361-9

Date Collected: 07/01/25 13:40 **Matrix: Solid** Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 14:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 14:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 14:11	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 15:30	SMC	EET MID

Client Sample ID: HA - 4 Lab Sample ID: 890-8361-10

Date Collected: 07/01/25 13:45 Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 15:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 14:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 14:27	TKC	EET MIC
Soluble	Leach	DI Leach			5.02 g	50 mL	113589	07/03/25 09:26	SA	EET MIC
Soluble	Analysis	300.0		1			113620	07/03/25 15:37	SMC	EET MID

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**Matrix: Solid** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Lab Sample ID: 890-8361-11

SDG: Eddy County, NM

Job ID: 890-8361-1

Matrix: Solid

Client Sample ID: HA - 4 Date Collected: 07/01/25 13:50 Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 16:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 14:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 14:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 15:58	SMC	EET MID

Client Sample ID: HA - 4 Lab Sample ID: 890-8361-12 Date Collected: 07/01/25 13:55

Matrix: Solid

Date Received: 07/02/25 08:00

Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 17:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 15:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 15:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 16:06	SMC	EET MID

Client Sample ID: HA - 4 Lab Sample ID: 890-8361-13 Date Collected: 07/01/25 14:00 **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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 17:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 17:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 15:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 15:24	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 16:13	SMC	EET MID

Client Sample ID: HA - 4 Lab Sample ID: 890-8361-14 Date Collected: 07/01/25 14:05 **Matrix: Solid** 

Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 17:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 17:48	SA	EET MID

**Eurofins Carlsbad** 

Page 39 of 51

Client Sample ID: HA - 4 Date Collected: 07/01/25 14:05 Date Received: 07/02/25 08:00

Matrix: Solid

	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			113686	07/03/25 15:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 15:40	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 16:20	SMC	EET MID

Client Sample ID: HA - 5 Lab Sample ID: 890-8361-15

Date Collected: 07/01/25 14:10 **Matrix: Solid** Date Received: 07/02/25 08:00

	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	113677	07/07/25 09:39	MNR	EET MIC
Total/NA	Analysis	8021B		100	5 mL	5 mL	113674	07/07/25 19:42	MNR	EET MIC
Total/NA	Prep	5035			4.99 g	5 mL	113564	07/02/25 14:59	MNR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 18:08	MNR	EET MI
Total/NA	Analysis	Total BTEX		1			113723	07/07/25 19:42	SA	EET MI
Total/NA	Analysis	8015 NM		1			113686	07/03/25 15:54	SA	EET MI
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113557	07/02/25 13:41	EL	EET MI
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 15:54	TKC	EET MI
Soluble	Leach	DI Leach			5.04 g	50 mL	113589	07/03/25 09:26	SA	EET MI
Soluble	Analysis	300.0		1			113620	07/03/25 16:27	SMC	EET MII

Client Sample ID: HA - 5 Lab Sample ID: 890-8361-16

Date Collected: 07/01/25 14:15 **Matrix: Solid** Date Received: 07/02/25 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	113678	07/07/25 09:45	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	113673	07/07/25 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/07/25 19:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 16:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 16:09	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 16:34	SMC	EET MID

Client Sample ID: HA - 5 Lab Sample ID: 890-8361-17

Date Collected: 07/01/25 14:20 **Matrix: Solid** Date Received: 07/02/25 08:00

_	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 18:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 16:24	SA	EET MID

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

Lab Sample ID: 890-8361-17

Matrix: Solid

Job ID: 890-8361-1

Client Sample ID: HA - 5

Date Collected: 07/01/25 14:20 Date Received: 07/02/25 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 16:24	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 16:56	SMC	EET MID

Client Sample ID: HA - 6 Lab Sample ID: 890-8361-18

Date Collected: 07/01/25 14:25 Matrix: Solid

Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 19:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 19:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 16:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 16:38	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 17:03	SMC	EET MID

Client Sample ID: HA - 6 Lab Sample ID: 890-8361-19

Date Collected: 07/01/25 14:30 **Matrix: Solid** Date Received: 07/02/25 08:00

	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	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 19:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 16:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 16:53	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 17:25	SMC	EET MID

Client Sample ID: HA - 6 Lab Sample ID: 890-8361-20

Date Collected: 07/01/25 14:35 **Matrix: Solid** Date Received: 07/02/25 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	113564	07/02/25 14:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113583	07/03/25 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113723	07/03/25 19:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			113686	07/03/25 17:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113557	07/02/25 13:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113610	07/03/25 17:08	TKC	EET MID

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

Job ID: 890-8361-1 SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8361-20

Matrix: Solid

Date Collected: 07/01/25 14:35 Date Received: 07/02/25 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 17:32	SMC	EET MID

#### **Laboratory References:**

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

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# **Accreditation/Certification Summary**

Client: Earth Systems Response and Restoration

Job ID: 890-8361-1

Project/Site: Fadeaway Ridge Compressoner Station

SDG: Eddy County, NM

## **Laboratory: Eurofins Midland**

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
,	are included in this report, but oes not offer certification.	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	

5

8

10

11

13

# **Method Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

**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

Job ID: 890-8361-1 SDG: Eddy County, NM

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
EPA	EET MID
CIMOAC	EET MID

EET MID

**EET MID** 

SW846

ASTM

#### **Protocol References:**

Method

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

8021B

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

**Eurofins Carlsbad** 

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# **Sample Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressoner Station

JOD ID: 890-8361-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8361-1	HA - 1	Solid	07/01/25 13:00	07/02/25 08:00	0.5
890-8361-2	HA - 1	Solid	07/01/25 13:05	07/02/25 08:00	2
890-8361-3	HA - 1	Solid	07/01/25 13:10	07/02/25 08:00	4
890-8361-4	HA - 2	Solid	07/01/25 13:15	07/02/25 08:00	0.5
890-8361-5	HA - 2	Solid	07/01/25 13:20	07/02/25 08:00	2
890-8361-6	HA - 2	Solid	07/01/25 13:25	07/02/25 08:00	4
890-8361-7	HA - 3	Solid	07/01/25 13:30	07/02/25 08:00	0.5
890-8361-8	HA - 3	Solid	07/01/25 13:35	07/02/25 08:00	2
890-8361-9	HA - 3	Solid	07/01/25 13:40	07/02/25 08:00	4
890-8361-10	HA - 4	Solid	07/01/25 13:45	07/02/25 08:00	0.5
890-8361-11	HA - 4	Solid	07/01/25 13:50	07/02/25 08:00	2
890-8361-12	HA - 4	Solid	07/01/25 13:55	07/02/25 08:00	4
890-8361-13	HA - 4	Solid	07/01/25 14:00	07/02/25 08:00	6
890-8361-14	HA - 4	Solid	07/01/25 14:05	07/02/25 08:00	8
890-8361-15	HA - 5	Solid	07/01/25 14:10	07/02/25 08:00	0.5
890-8361-16	HA - 5	Solid	07/01/25 14:15	07/02/25 08:00	2
890-8361-17	HA - 5	Solid	07/01/25 14:20	07/02/25 08:00	4
890-8361-18	HA - 6	Solid	07/01/25 14:25	07/02/25 08:00	0.5
890-8361-19	HA - 6	Solid	07/01/25 14:30	07/02/25 08:00	2
890-8361-20	HA - 6	Solid	07/01/25 14:35	07/02/25 08:00	4

Circle Method(s) and Met

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

# **Environment Testing**

Xenco

eurofins 🔆

Phone:

City, State ZIP:

Project Manager:

Company Name: \ddress:

Project Number: Project Name:

SAMPLE RECEIPT

Samples Received Intact:

Fotal Containers: Sample Custody Seals: CC/WO#: Sampler's Name: Project Location:

Chain of Custody

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 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020,2

# Chain of Custody

Caronina		Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	TX (214) 902-0300	
		Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	io, TX (210) 509-3334 Work Order No:	
	Xenco	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296		
		Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	NM (575) 988-3199 www. xenco.com Page	) of か
Project Manager: Gilbert Moreno	Gilbert Moreno	Bill to: (if different)	Work Order Comments	
Company Name:	Earth Systems R&R	Company Name: Earth Systems	Program: UST/PST	☐ Superfund☐
Address:	1910 Resource Ct.	Address:	State of Project:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	Reporting: Level III ☐ Level III ☐ PST/UST☐ TRRP☐ Level IV☐	> Level IV
Phone:	832-541-7719 Emai	Email: amoreno@earthsvs.net	Deliverables: EDD ☐ ADaPT ☐ Other:	

Phone:

Project Name:

Sample Custody Seals:

Total Containers:

Samples Received Intact:

CC/WO# Sampler's Name: Project Location: Project Number:

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

roject Name:	Fadeaway Ridge Compressor Station	Compre	ssor Station		Turn Around							ANALYSIS	SIS REQUEST	ST				Preserv	Preservative Codes	
roject Number:	9	640		Routine	Rush		Pres.											None: NO	DI Water: H <sub>2</sub> O	
roject Location:	Eddy County, NM	ounty,	M	Due Date:	Routine TAT	T										+		Cool: Cool	MeOH: Me	
ampler's Name:	Santia	Santiago Giron	on	TAT starts the	TAT starts the day received by the lab, if	e lab, if									+	+	+	HCL: HC	HNO3: HN	
C/WO #:				rec	received by 4:30pm		rs	_					_		_	_		H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
AMPLE RECEIPT	PT Tomp Blank:	ank:	Ol (sax)	Wet Ice:	(Yes/No		nete							+	+	+		H <sub>3</sub> PO <sub>4</sub> : HP		
amples Received Intact:	(Yes/	No	Thermometer ID:	er ID:	Minch	J	ıran								H			NaHSO <sub>4</sub> : NABIS	SIS	51
ooler Custody Seals:	Yes No	$\sim$	N/A Correction Factor:	actor:	6.0.		Pa											Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ; NaSO <sub>3</sub>	O	of :
ample Custody Seals:	ls: Yes No	NA	Temperature Reading:	e Reading:	J. 10. C	,											-	Zn Acetate+NaOH: Zn	aOH: Zn	7
otal Containers:		(	Corrected Temperature:	emperature:	2.2				NM			h		F				NaOH+Ascorbic Acid: SAPC	ic Acid: SAPC	e 4
Sample Identification	tification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp # of	# or Cont	TPH -NM	Chloride-	BTEX-NM	Hold	24 Hr Rus						Sample	Sample Comments	Pag
HA-4	1	S	7.1.25	13:45	0.5	Grab/	_	×	×	×	¥-							Incide	Incident Number	
HA-4		တ	7.1.25	13:50	2	Grab/	_	×	×	×				_	-			nAPP2	nAPP2516830043	
HA-4		S	7.1.25	13:55	4	Grab/	1	×	×	×				-			-			
HA-4	-	တ	7.1.25	14:00	6	Grab/	_	×	×	×					_					
HA-4	-	တ	7.1.25	14:05	8	Grab/	1	×	×	×										
HA-5	Oi	ဟ	7.1.25	14:10	0.5	Grab/	1	×	×	×										
HA-5	Oi	တ	7.1.25	14:15	2	Grab/	-	×	×	×				_						
HA-5	١,	တ	7.1.25	14:20	4	Grab/	_	×	×	×										
HA-6		S	7.1.25	14:25	0.5	Grab/	_	×	×	×				-	-	H	H			
Total 200.7 / 6010	10 200.8 / 6020:	20:		8RCRA 1	8RCRA 13PPM Texas 11 Al Sb As Ba Be	1 A	Sb As	Ва	Ве В	Cd Ca	Ca Ca	Cr Co Cu Fe Pb		Mo	Z.	Se A	g SiC	Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn	V Zn	
ircle Method(s) and Metal(s) to be analyzed	id Metal(s) to be	analyz	red			:											Нg	Hg: 1631 / 245.1 / 7470 / 7471	/7471	
strice: 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 service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or excenses incurred by the client if such losses are due to circumstances beyond the control	locument and relinqu	ishment or	of samples con	stitutes a valid pod shall not assu	ourchase order from c	client com	pany to	Eurofir	s Xenc	o, its a	ffiliates	and subcontractor	s are due to circumstances beyond the contro	andard	terms a	nd cond	litions			
Laubinis Aerico. A illillillilli chalge oi abbineu to each project and a charge of ab tor each sample submitted to Eurotins Aerico, but not analyzed. These terms will be entoriced unless previously negotiated.	Tree to again the	A WILLIAM O	applied to each	project and a c	narge or ce to egran	ns eldure	DEDIETIC	TO EUR	orins A	nco, pr	Tr not a	nalyzed. I nese per	JOING 60 IIIM SIL	ced unia	SS prev	iousiy n	egotiati	8G.		

service. Eurofins Xenco will be Eurofins Xenco. A minimum ch

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Date/Time

Relinquished by: (Signature)

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Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

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**Environment Testing** 

# Chain of Custody

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 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:			
www.xenco.com Page	Page	3	of W
Work Order Comments	ment	S	
Program: UST/PST☐ PRP☐ Brownfields☐ RRC☐ Superfund☐		RRO	Superfund [
State of Project:			
Reporting: Level II   Level III   PST/UST   TRRP	Sï	TRRP	Level IV
Deliverables: EDD ☐ ADaPT ☐		Other:	

Project Name:	Fadeaway Ridge Compressor Station	Compre	ssor Station	1	Turn Around								ANAL	<b>ANALYSIS REQUEST</b>	REQ	UES1						Preserva	Preservative Codes	
Project Number:	6	640		Routine	Rush		Pres. Code															None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Eddy County, NM	unty, i	M	Due Date:	Routine TAT	AT																Cool: Cool	МеОН: Ме	
Sampler's Name:	Santiago Giron	go Giro	Ď	TAT starts the	TAT starts the day received by the lab, if	he lab, if																HCL: HC	HNO <sub>3</sub> : HN	
CC/WO#:				rece	received by 4:30pm		rs															H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT	I gang Blank:	ank:	Yes No	Wet Ice:	Yes No		nete															H₃PO₄: HP		
Samples Received Intact:	$\sim$	)	Thermometer ID:	er ID:	DIMM	)	ıran				T											NaHSO <sub>4</sub> : NABIS	S	51
Cooler Custody Seals:	Yes No	NA	(N/A) Correction Factor:	actor:	.0-	9	Pa															Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		of
Sample Custody Seals:	s: Yes No		N/A) Temperature Reading:	e Reading:	-2.4						T											Zn Acetate+NaOH: Zn	OH: Zn	48
Total Containers:			Corrected T	Corrected Temperature:	-2.7	۲			NM	1	77	sh	Ī				Т		Т		T	NaOH+Ascorbic Acid: SAPC	c Acid: SAPC	ae .
Sample Identification	ification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp # of Cont	# of Cont	трн -мм	Chloride-	BTEX-NA	Hold	24 Hr Ru										Sample (	Sample Comments	Pa
HA-6	;	S	7.1.25	14:30	2	Grab/	1	X	X	×												Inciden	Incident Number	
HA-6		S	7.1.25	14:35	4	Grab/	1	×	×	×												nAPP25	nAPP2516830043	
			-	,																	_			
	\																							
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Circle Method(s) and Metal(s) to be analyzed	d Metal(s) to be	analyz	ed																	Hg	1631	Hg: 1631 / 245.1 / 7470 / 7471	/ 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 for service. Furnities the client if such losses a service for the client if such losses are serviced by the client in the serviced by the client is such losses are serviced by the client in the serviced by the client in the serviced by the client is such losses are serviced by the client in the serviced by the serviced by the client in the servic	ocument and relinqui	shment of	of samples con	stitutes a valid p	ourchase order from	n client co	mpany	to Euro	fins Xe	nco, its	affiliat	es and s	bcontra	ctors.	it assigns standard terms and conditions	ns stan	dard te	rms an	d cond	tions				
of service. Eurofins Xenco will be liable only for the cost of samples and sharmor assume any responsibility for any losses of expenses incurred by the chief, in such losses are use to chief instances beyond the control of Eurofins Xenco. A minimum charge of \$8.5.00 will be applied to each project and a charge of \$8.5 for each sample submitted to Eurofins Xenco, but not analyzed. These ferms will be enforced unless previously negotiated.	mum charge of \$85.00	will be	applied to each	nd snan not assu n project and a c	harge of \$5 for each	sample :	submitte	d to Eu	rofins 3	Kenco,	but not	analyze	d. These	terms v	vill be e	nforce	unies	previo	usly n	gotiate	٩			

Project Name: Phone: City, State ZIP:

> 832-541-7719 Carlsbad, NM, 88220 1910 Resource Ct.

Email: gmoreno@earthsys.net

City, State ZIP: Address: Company Name: Bill to: (if different)

Earth Systems

Company Name: Project Manager:

Earth Systems R&R Gilbert Moreno

Eurofins Carlsbad 1089 N Canal St.

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🔅 eurofins

**Chain of Custody Record** 

Carlsbad, NM 88220 Phone: 575,088,3100 Fax: 575,088,3100		Clialii	ol Cus	Citalli of Custody Record	600	ã						PT.		ad						2	-	2	9	& caronns	0	E	wire	TO THE	t e	Environment Testing	3mi	
Client Information (Sub Contract Lab)	Sampler: N/A			Lab PM: Teel, B	Lab PM: Teel, Brianna	2						7.0	Carrier Tracking No(s): N/A	Tract	gin	(s)				m 0	COC No:	ე <u>გ</u>	COC No: 890-5340 1									
	Phone:			E-Mail: Briani	E-Mail: Brianna.Teel@et.eurofinsus.com	el@e	euro	finsc	S CO	3		7 V	State of Origin: New Mexico	f Orig	8 =					7 7	Page:	7	Page: Page 1 of 3									
Company: Eurofins Environment Testing South Centr					Accreditations Required (See note): NELAP - Texas	tations P - Te	Requi	red (S	ee not	e.	- 1	- 1								<u>,                                    </u>	90 # # do #	23	Job #: 890-8361-1									
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Project Name:  FADEAWAY RIDGE COMPERESSOR STATION	Project #:					S_Pre		ACHC		Total	_	_						Ť		1111014												
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Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, O=waste/oil,	Field Filtered S Perform MS/M	8015MOD_NM/8	8015MOD_Calc8	300_ORGFM_28	8021B/5035FP_0	Total_BTEX_GC									Total Number	The second secon		S	Dec	<u>a</u>	Inst	TE I	<del>č</del>	Special Instructions/Note:	lot l	*		
	V	X	D 1	Preservation Code:	$\stackrel{\times}{\times}$				-					T.	in the		4		7	$\rightarrow$		1		V	V					1		
HA - 1 (890-8361-1)	7/1/25	13:00 Mountain	9	Solid		×	×	×	×	×	-	-	$\rightarrow$	_						-	- 1	١										
HA - 1 (890-8361-2)	7/1/25	13:05 Mountain	G	Solid		×	×	×	×	×		-	-																			
HA - 1 (890-8361-3)	7/1/25	13:10 Mountain	6	Solid		×	×	×	×	×		-							120	-												
HA - 2 (890-8361-4)	7/1/25	13:15 Mountain	ဝ	Solid		×	×	×	×	×	_	-	-	-						-												
HA - 2 (890-8361-5)	7/1/25	13:20 Mountain	G	Solid		×	×	×	×	×	_	-		-					1000	_												
HA - 2 (890-8361-6)	7/1/25	13:25 Mountain	G	Solid		×	×	×	×	×		_	_							_												
HA - 3 (890-8361-7)	7/1/25	13:30 Mountain	G	Solid		×	×	×	×	×	$\dashv$	$\rightarrow$	$\rightarrow$	_				$\neg$	_													
HA - 3 (890-8361-8)	7/1/25	13:35 Mountain	9	Solid		×	×	×	×	×	$\dashv$	_	_						744	the same												
HA - 3 (890-8361-9)	7/1/25	13:40 Mountain	G	Solid		×	×	×	×	×			_	_					el éger													
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC.	ment Testing South Cent d above for analysis/tests central, LLC attention in	rat, LLC places to s/matrix being an imediately. If a	the ownership on alyzed, the saint action and the saint action and the saint action are the saint action and the saint action ac	of method, anal mples must be creditations are	yte & ac shipped current	credita back to to date	tion co	implia urofin	nce up s Envi	on ou ronme Chair	nt Tea	ontrac sting s	t labo	ratori Centr	es. T al, Lt	his s Cla	amp	e sh ory o	r oth Eur	nt is er in ofins	forv	vard ction viron	s will	nder l be	cha	in-of ided	An C	tody ly ch	ange	S to		
Possible Hazard Identification Unconfirmed					Sa	Sample Disposal ( A fee	le Disposal ( A t	osal	(A	ee m	may be assessed if samples are retained longer than	Die as	essessed if san	a a	Sal	, ag	Sa		A stall	100	tained long	nge	ŝ	an	1 2	1 month)	3	7				
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	able Rank: 2			Spo	Special Instructions/QC Requirements	nstru	ction	SQC	Reg	uiren	nents					-1	- 1				13				ı,	100	3				
Empty Kit Relinquished by:		Date:			Time:	Н				>			_	Method of Shipment	ofs	hipn	ent	П	П	- 1	- 1	- 1							Ш			
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Custody Seals Intact: Custody Seal No.:  ∆ Yes ∆ No						Coole	Cooler Temperature(s) °C and Other Remarks:	peratu	re(s) °	C and	Other	Rem	š	2	$\mathcal{O}_{\mathbb{L}}$	Δ	2		5	7				-	<sub>p</sub> L	11	2	0	1			

Ver: 10/10/2024

### **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8361-1

SDG Number: Eddy County, NM

List Source: Eurofins Carlsbad

Login Number: 8361 List Number: 1

Creator: Bruns, Shannon

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

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### **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8361-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

List Creation: 07/03/25 08:18 AM

Login Number: 8361 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	
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	

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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 7/7/2025 2:09:36 PM

### **JOB DESCRIPTION**

Fadeaway Ridge Compressor Station Eddy County, NM

### **JOB NUMBER**

890-8362-1

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 7/7/2025 2:09:36 PM

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

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

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Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station Laboratory Job ID: 890-8362-1 SDG: Eddy County, NM

# **Table of Contents**

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### **Definitions/Glossary**

Job ID: 890-8362-1 Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station SDG: Eddy 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** 

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

**Glossary** 

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

MDL Method Detection Limit Minimum Level (Dioxin) ML Most Probable Number MPN 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: 890-8362-1

### **Case Narrative**

Client: Earth Systems Response and Restoration

Project: Fadeaway Ridge Compressor Station

**Eurofins Carlsbad** Job ID: 890-8362-1

### Job Narrative 890-8362-1

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 7/2/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.2°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 samples were outside control limits: (LCS 880-113558/2-A) and (LCSD 880-113558/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

### HPLC/IC

Method 300 ORGFM 28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113590 and analytical batch 880-113633 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: HA-9 (890-8362-6), HA-10 (890-8362-7), HA-10 (890-8362-8), HA-11 (890-8362-9), HA-11 (890-8362-10), HA-12 (890-8362-11), HA-12 (890-8362-12), (890-8362-A-6-D MS) and (890-8362-A-6-E MSD).

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

**Eurofins Carlsbad** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station Job ID: 890-8362-1

SDG: Eddy County, NM

**Client Sample ID: HA-7** 

Date Collected: 07/01/25 14:40 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Lab Sample ID: 890-8362-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 14:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 14:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 14:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/02/25 14:57	07/03/25 14:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 14:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/02/25 14:57	07/03/25 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/02/25 14:57	07/03/25 14:33	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/02/25 14:57	07/03/25 14:33	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX  Mothod: SW846 8015 NM - Diese	<0.00398		0.00398		mg/Kg			07/03/25 14:33	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)	MDI		n	Propared		Dil Fac
- -	el Range Organ	ics (DRO) (		MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	07/03/25 14:33  Analyzed  07/03/25 11:37	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result <50.0	ics (DRO) ( Qualifier	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.0 sel Range Organ	Qualifier U	GC)  RL  50.0		Unit mg/Kg			Analyzed 07/03/25 11:37	1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ( Qualifier U nics (DRO) Qualifier	GC)  RL  50.0		Unit mg/Kg	<u>D</u>	Prepared	Analyzed 07/03/25 11:37 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Organ	ics (DRO) ( Qualifier U nics (DRO) Qualifier	GC)  RL  50.0		Unit mg/Kg			Analyzed 07/03/25 11:37	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.0		Unit mg/Kg		Prepared	Analyzed 07/03/25 11:37 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.0  (GC)  RL  50.0		Unit mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:44	Analyzed 07/03/25 11:37  Analyzed 07/03/25 11:37	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 <50.0 sel Range Orga Result <50.0	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.0  (GC)  RL  50.0		Unit mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:44	Analyzed 07/03/25 11:37  Analyzed 07/03/25 11:37	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 <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 11:37  Analyzed 07/03/25 11:37  07/03/25 11:37	
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)	sel Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	ics (DRO) ( Qualifier U  nics (DRO) Qualifier U  U	GC) RL 50.0  (GC) RL 50.0  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 11:37  Analyzed 07/03/25 11:37 07/03/25 11:37	1 Dil Fac

**Client Sample ID: HA-7** Lab Sample ID: 890-8362-2

RL

9.90

Result Qualifier

106

MDL Unit

mg/Kg

D

Prepared

Date Collected: 07/01/25 14:45 Date Received: 07/02/25 08:00

Sample Depth: 4

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:57	07/03/25 14:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:57	07/03/25 14:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:57	07/03/25 14:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/02/25 14:57	07/03/25 14:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/02/25 14:57	07/03/25 14:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/02/25 14:57	07/03/25 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/02/25 14:57	07/03/25 14:53	

**Eurofins Carlsbad** 

**Matrix: Solid** 

Dil Fac

Analyzed

07/03/25 17:39

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

Job ID: 890-8362-1 SDG: Eddy County, NM

**Client Sample ID: HA-7** 

Date Collected: 07/01/25 14:45 Date Received: 07/02/25 08:00

Sample Depth: 4

 - dip.	 	
	Matrix	: Solid

Lab Sample ID: 890-8362-2

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91	70 - 130	07/02/25 14:57	07/03/25 14:53	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			07/03/25 14:53	1

Mathada OMO40 0045 NM Disaal Damas Omasias (DDO) (OO	Α.
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	. 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	ma/Ka			07/03/25 12:23	1

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

		()	\ <del> /</del>						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/02/25 13:44	07/03/25 12:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/02/25 13:44	07/03/25 12:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/02/25 13:44	07/03/25 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97	70 - 130	07/02/25 13:44	07/03/25 12:23	1
o-Terphenyl	97	70 - 130	07/02/25 13:44	07/03/25 12:23	1

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	149		10.1		mg/Kg			07/03/25 17:46	1	

Lab Sample ID: 890-8362-3 Client Sample ID: HA-8

Date Collected: 07/01/25 14:50 Date Received: 07/02/25 08:00

Sample Depth: 0.5

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

Welliou. Syvo46 6021B - Volat	ne Organic Comp	iounus (GC	)						
Analyte	Result	Qualifier	RL	MDL (	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	1	mg/Kg		07/02/25 14:57	07/03/25 15:14	1
Toluene	<0.00200	U	0.00200	1	mg/Kg		07/02/25 14:57	07/03/25 15:14	1
Ethylbenzene	<0.00200	U	0.00200	1	mg/Kg		07/02/25 14:57	07/03/25 15:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	1	mg/Kg		07/02/25 14:57	07/03/25 15:14	1
o-Xylene	<0.00200	U	0.00200	1	mg/Kg		07/02/25 14:57	07/03/25 15:14	1
Xylenes, Total	<0.00399	U	0.00399	1	mg/Kg		07/02/25 14:57	07/03/25 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/02/25 14:57	07/03/25 15:14	1
1.4-Difluorobenzene (Surr)	89		70 - 130				07/02/25 14:57	07/03/25 15:14	1

4-Diomondonenzene (Sun)	104	70 - 130	07/02/23 14.37	07/03/23 13.14	,
1,4-Difluorobenzene (Surr)	89	70 - 130	07/02/25 14:57	07/03/25 15:14	1

### Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/03/25 15:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC
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Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			07/03/25 12:39	1

**Eurofins Carlsbad** 

**Matrix: Solid** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station Job ID: 890-8362-1

SDG: Eddy County, NM

**Client Sample ID: HA-8** 

Date Collected: 07/01/25 14:50 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Lab Sample ID: 890-8362-3

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		07/02/25 13:44	07/03/25 12:39	1
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/02/25 13:44	07/03/25 12:39	1
C10-C28) Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:44	07/03/25 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/02/25 13:44	07/03/25 12:39	1
o-Terphenyl	92		70 - 130				07/02/25 13:44	07/03/25 12:39	1

RL

MDL Unit

D

Prepared

Result Qualifier Chloride 9.96 194 mg/Kg

07/03/25 17:53 Lab Sample ID: 890-8362-4

Analyzed

**Matrix: Solid** 

Dil Fac

Date Collected: 07/01/25 14:55 Date Received: 07/02/25 08:00

**Client Sample ID: HA-8** 

Sample Depth: 4

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 16:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 16:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 16:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/02/25 14:57	07/03/25 16:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 16:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/02/25 14:57	07/03/25 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/02/25 14:57	07/03/25 16:47	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/02/25 14:57	07/03/25 16:47	1
Analyte Total RTEY	<0.00401	п	0.00401		ma/Ka			07/03/25 16:47	1
Total BTEX  Method: SW846 8015 NM - Diese		ics (DRO) (0	•	MDL	mg/Kg		Prepared	07/03/25 16:47  Analyzed	1 Dil Fac
Total BTEX	el Range Organ	ics (DRO) (C		MDL		<u>D</u>	Prepared	07/03/25 16:47  Analyzed  07/03/25 12:55	·
Total BTEX  Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <a href="#">&lt;49.8</a> sel Range Organ	ics (DRO) (0 Qualifier	GC) RL 49.8		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	el Range Organ Result <a href="#">&lt;49.8</a> sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.8 (GC)		Unit mg/Kg			Analyzed 07/03/25 12:55	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte  Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <a href="#">&lt;49.8</a> <a href="#">sel Range Organ</a> Result	Qualifier U nics (DRO) Qualifier U nics (DRO) Qualifier U	GC)  RL  49.8  (GC)  RL		Unit mg/Kg		Prepared	Analyzed 07/03/25 12:55	Dil Fac
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	el Range Organ Result <a href="#">Result</a> <a href="#">Result</a> <a href="#">Result</a> <a href="#">49.8</a> <a href="#">Result</a> <a href="#">49.8</a>	cics (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier U	(GC)  RL 49.8  (GC)  RL 49.8		Unit mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:44	Analyzed 07/03/25 12:55  Analyzed 07/03/25 12:55	Dil Fac  Dil Fac  1
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)	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8	cos (DRO) (On Qualifier Unics (DRO) Qualifier Unics (DRO) Qualifier Unics Unic	GC)  RL 49.8  (GC)  RL 49.8  49.8		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 12:55  Analyzed 07/03/25 12:55 07/03/25 12:55	Dil Fac  Dil Fac  1
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)	el Range Organ Result 49.8 sel Range Orga Result  49.8 49.8 49.8	cos (DRO) (Control of the control of	GC)  RL 49.8  (GC) RL 49.8  49.8  49.8		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 12:55  Analyzed 07/03/25 12:55 07/03/25 12:55 07/03/25 12:55	Dil Fac  Dil Fac  1  1  1

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Released to Imaging: 12/2/2025 3:25:10 PM

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station Job ID: 890-8362-1

SDG: Eddy County, NM

**Client Sample ID: HA-8** 

Date Collected: 07/01/25 14:55 Date Received: 07/02/25 08:00

Sample Depth: 4

Lab Sample ID: 890-8362-4

Matrix: Solid

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		9.98		mg/Kg			07/03/25 18:01	1

Client Sample ID: HA-9 Lab Sample ID: 890-8362-5 Matrix: Solid

Date Collected: 07/01/25 15:00 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:57	07/03/25 17:08	-
Toluene	< 0.00201	U	0.00201		mg/Kg		07/02/25 14:57	07/03/25 17:08	
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		07/02/25 14:57	07/03/25 17:08	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/02/25 14:57	07/03/25 17:08	
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:57	07/03/25 17:08	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/02/25 14:57	07/03/25 17:08	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	95		70 - 130				07/02/25 14:57	07/03/25 17:08	
1,4-Difluorobenzene (Surr)	92		70 - 130				07/02/25 14:57	07/03/25 17:08	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese		ics (DRO) (	•	MDL	mg/Kg	D	Prepared	07/03/25 17:08	
Total BTEX  Method: SW846 8015 NM - Diese Analyte  Total TPH	el Range Organ	ics (DRO) (		MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	07/03/25 17:08  Analyzed  07/03/25 13:11	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <49.9	ics (DRO) ( Qualifier	RL 49.9	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <a href="#">&lt;49.9</a> sel Range Organ	ics (DRO) ( Qualifier	RL 49.9 (GC)	MDL	Unit mg/Kg	<u>D</u>		Analyzed 07/03/25 13:11	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result <a href="#">&lt;49.9</a> <a href="#">sel Range Orga</a> Result	Qualifier Unics (DRO) Qualifier	RL 49.9		Unit mg/Kg		Prepared  07/02/25 13:44	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte  Gasoline Range Organics	el Range Organ Result <a href="#">&lt;49.9</a> sel Range Organ	Qualifier Unics (DRO) Qualifier	(GC) RL (GC) RL		Unit mg/Kg		Prepared	Analyzed 07/03/25 13:11  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte  Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <a href="#">&lt;49.9</a> <a href="#">sel Range Orga</a> 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 (GC) RL		Unit mg/Kg		Prepared	Analyzed 07/03/25 13:11  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)	el Range Organ Result <a href="#">Result</a> <a href="#">Result</a> <a href="#">Result</a> <a href="#">49.9</a> <a href="#">49.9</a>	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 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 13:11  Analyzed 07/03/25 13:11  07/03/25 13:11	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 <a href="#">Result</a> <a href="#">Result</a> <a href="#">Result</a> <a href="#">49.9</a> <a href="#">49.9</a>	cics (DRO) (Control of the control o	(GC)  RL 49.9  (GC)  RL 49.9		Unit mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:44	Analyzed 07/03/25 13:11  Analyzed 07/03/25 13:11	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 <49.9 sel Range Orga Result <49.9 <49.9	cics (DRO) (Control of the control o	(GC)  RL 49.9  (GC)  RL 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 13:11  Analyzed 07/03/25 13:11  07/03/25 13:11	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	cics (DRO) (Control of the property of the pro	GC)  RL 49.9  (GC) RL 49.9  49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 13:11  Analyzed 07/03/25 13:11 07/03/25 13:11	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) Oil Range Organics (Over C28-C36)	sel Range Organ Result <49.9  sel Range Orga Result <49.9  <49.9  <49.9  %Recovery	cics (DRO) (Control of the property of the pro	GC)  RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44 07/02/25 13:44 Prepared	Analyzed 07/03/25 13:11  Analyzed 07/03/25 13:11 07/03/25 13:11 07/03/25 13:11 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Range Organ   Result	ics (DRO) ((Qualifier U))  nics (DRO) Qualifier U  U  Qualifier	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 07/02/25 13:44 07/02/25 13:44 07/02/25 13:44  Prepared 07/02/25 13:44	Analyzed  07/03/25 13:11  Analyzed  07/03/25 13:11  07/03/25 13:11  Analyzed  07/03/25 13:11	Dil Fac

**Eurofins Carlsbad** 

07/03/25 18:08

10.1

mg/Kg

91.8

Chloride

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station Job ID: 890-8362-1

SDG: Eddy County, NM

Lab Sample ID: 890-8362-6

Matrix: Solid

**Client Sample ID: HA-9** 

Date Collected: 07/01/25 15:05 Date Received: 07/02/25 08:00

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/02/25 14:57	07/03/25 17:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/02/25 14:57	07/03/25 17:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/02/25 14:57	07/03/25 17:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/02/25 14:57	07/03/25 17:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/02/25 14:57	07/03/25 17:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/02/25 14:57	07/03/25 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/02/25 14:57	07/03/25 17:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/02/25 14:57	07/03/25 17:28	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00404								
	10.00101	U	0.00404		mg/Kg			07/03/25 17:28	
• •					mg/Kg			01103/23 11.20	1
: Method: SW846 8015 NM - Diese	el Range Organ			MDL		D	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ	ics (DRO) ((	GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed 07/03/25 13:27	·
• •	el Range Organ Result	ics (DRO) ((	GC)	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.8	ics (DRO) (0 Qualifier	GC) RL 49.8	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <a href="#">&lt;49.8</a> sel Range Organ	ics (DRO) (0 Qualifier	GC) RL 49.8	MDL MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	el Range Organ Result <a href="#">&lt;49.8</a> sel Range Organ	ics (DRO) ((Qualifier U)	RL 49.8 (GC)		Unit mg/Kg	=		Analyzed 07/03/25 13:27	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <a href="#">Result</a> <a href="#">Result</a> <a href="#">Result</a> <a href="#">49.8</a> <a href="#">Result</a> <a href="#">49.8</a>	ics (DRO) (O Qualifier U nics (DRO) Qualifier	(GC)  RL 49.8  (GC)  RL 49.8		Unit mg/Kg  Unit mg/Kg	=	Prepared 07/02/25 13:44	Analyzed 07/03/25 13:27  Analyzed 07/03/25 13:27	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	el Range Organ Result <a href="#">&lt;49.8</a> sel Range Orga Result	ics (DRO) (O Qualifier U nics (DRO) Qualifier	RL 49.8 (GC)		Unit mg/Kg	=	Prepared	Analyzed 07/03/25 13:27	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) (Control of the control of	(GC)  RL 49.8  (GC)  RL 49.8  49.8		Unit mg/Kg  Unit mg/Kg mg/Kg	=	Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 13:27  Analyzed 07/03/25 13:27  07/03/25 13:27	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	el Range Organ Result <a href="#">Result</a> <a href="#">Result</a> <a href="#">Result</a> <a href="#">49.8</a> <a href="#">Result</a> <a href="#">49.8</a>	ics (DRO) (Control of the control of	(GC)  RL 49.8  (GC)  RL 49.8		Unit mg/Kg  Unit mg/Kg	=	Prepared 07/02/25 13:44	Analyzed 07/03/25 13:27  Analyzed 07/03/25 13:27	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)	el Range Organ Result 49.8 sel Range Orga Result  49.8 49.8	ics (DRO) (CQualifier U)  nics (DRO) Qualifier U  U  U	GC)  RL 49.8  (GC)  RL 49.8  49.8  49.8  Limits		Unit mg/Kg  Unit mg/Kg mg/Kg	=	Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 13:27  Analyzed 07/03/25 13:27 07/03/25 13:27 07/03/25 13:27  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 <49.8 sel Range Orga Result <49.8 <49.8 <49.8	ics (DRO) (CQualifier U)  nics (DRO) Qualifier U  U  U	GC)  RL 49.8  (GC)  RL 49.8  49.8  49.8		Unit mg/Kg  Unit mg/Kg mg/Kg	=	Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 13:27  Analyzed 07/03/25 13:27 07/03/25 13:27	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)  Surrogate	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery	ics (DRO) (CQualifier U)  nics (DRO) Qualifier U  U  U	GC)  RL 49.8  (GC)  RL 49.8  49.8  49.8  Limits		Unit mg/Kg  Unit mg/Kg mg/Kg	=	Prepared 07/02/25 13:44 07/02/25 13:44 07/02/25 13:44 Prepared	Analyzed 07/03/25 13:27  Analyzed 07/03/25 13:27 07/03/25 13:27 07/03/25 13:27  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	el Range Organ Result <49.8  sel Range Orga Result <49.8  <49.8  <49.8  %Recovery  94  93	ics (DRO) (Control of the control of	GC)  RL 49.8  (GC)  RL 49.8  49.8  49.8  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg	=	Prepared 07/02/25 13:44 07/02/25 13:44 07/02/25 13:44  Prepared 07/02/25 13:44	Analyzed 07/03/25 13:27  Analyzed 07/03/25 13:27  07/03/25 13:27  Analyzed 07/03/25 13:27	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)  Surrogate 1-Chlorooctane o-Terphenyl	el Range Organ Result <49.8 sel Range Orga Result <49.8 <49.8 <49.8 <49.8  %Recovery 94 93  a Chromatograp	ics (DRO) (Control of the control of	GC)  RL 49.8  (GC)  RL 49.8  49.8  49.8  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg	=	Prepared 07/02/25 13:44 07/02/25 13:44 07/02/25 13:44  Prepared 07/02/25 13:44	Analyzed 07/03/25 13:27  Analyzed 07/03/25 13:27  07/03/25 13:27  Analyzed 07/03/25 13:27	Dil Fac  1  Dil Fac  1  1  Dil Fac  1

**Client Sample ID: HA-10** 

Date Collected: 07/01/25 15:10 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 17:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 17:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 17:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/02/25 14:57	07/03/25 17:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 17:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/02/25 14:57	07/03/25 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/02/25 14:57	07/03/25 17:49	1

**Eurofins Carlsbad** 

Lab Sample ID: 890-8362-7

**Matrix: Solid** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

Job ID: 890-8362-1 SDG: Eddy County, NM

Lab Sample ID: 890-8362-7

Matrix: Solid

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

**Client Sample ID: HA-10** 

Date Collected: 07/01/25 15:10

Method: SW846 8021B -	<b>Volatile Organic Compounds</b>	(GC) (Continued)
momound official course	rolatile organic compounds	(SS) (SSiitiniasa)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	91	70 - 130	07/02/25 14:57	07/03/25 17:49	1

Method: TAL SOP	Total RTFX - Total	RTFX Calculation
Mictiliou. IAL OOI	TOTAL DIEX - TOTAL	DIEA Galcalation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/03/25 17:49	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	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	ma/Ka			07/03/25 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/02/25 13:44	07/03/25 13:42	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/02/25 13:44	07/03/25 13:42	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/02/25 13:44	07/03/25 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94	70 - 130	07/02/25 13:44	07/03/25 13:42	1
o-Terphenyl	93	70 - 130	07/02/25 13:44	07/03/25 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	)	Prepared	Analyzed	Dil Fac
Chloride	137		9.92		mg/Kg			07/03/25 15:38	1

**Client Sample ID: HA-10** Lab Sample ID: 890-8362-8

Date Collected: 07/01/25 15:15 Date Received: 07/02/25 08:00

Sample Depth: 4

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

Welliou. Syvo40 002 ID - 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		07/02/25 14:57	07/03/25 18:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 18:09	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 18:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/02/25 14:57	07/03/25 18:09	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 18:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/02/25 14:57	07/03/25 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/02/25 14:57	07/03/25 18:09	1
1 4-Difluorobenzene (Surr)	9.3		70 130				07/02/25 14:57	07/03/25 18:09	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		ma/Ka			07/03/25 18:09	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			07/03/25 13:58	1

**Eurofins Carlsbad** 

**Matrix: Solid** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

Job ID: 890-8362-1 SDG: Eddy County, NM

07/03/25 15:43

**Client Sar** 

**Date Collec** Date Received: 07/02/25 08:00

Sample Depth: 4

ample ID: HA-10	Lab Sample ID: 890-8362-8	
ected: 07/01/25 15:15	Matrix: Solid	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/02/25 13:44	07/03/25 13:58	1
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		07/02/25 13:44	07/03/25 13:58	1
C10-C28) Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/02/25 13:44	07/03/25 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/02/25 13:44	07/03/25 13:58	1
o-Terphenyl	94		70 - 130				07/02/25 13:44	07/03/25 13:58	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

**Client Sample ID: HA-11** Lab Sample ID: 890-8362-9 Matrix: Solid

10.1

162

mg/Kg

Date Collected: 07/01/25 15:20 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 18:30	
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 18:30	,
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 18:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/02/25 14:57	07/03/25 18:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 18:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/02/25 14:57	07/03/25 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/02/25 14:57	07/03/25 18:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/02/25 14:57	07/03/25 18:30	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/03/25 18:30	1
Total BTEX  Method: SW846 8015 NM - Diese					mg/Kg			07/03/25 18:30	1
- -	l Range Organ			MDL		D	Prepared	07/03/25 18:30  Analyzed	
: Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte	Range Organ Result <50.0	ics (DRO) (Gualifier	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Range Organ Result <50.0 sel Range Organ	ics (DRO) (Gualifier	GC) RL 50.0		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result <50.0 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC)  RL  50.0		Unit mg/Kg			Analyzed 07/03/25 14:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result sel Range Organ Result <50.0 sel Range Organ Result <50.0	Qualifier U nics (DRO) Qualifier U	GC)  RL  50.0  (GC)  RL  50.0		Unit mg/Kg		Prepared 07/02/25 13:44	Analyzed 07/03/25 14:13  Analyzed 07/03/25 14:13	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	Range Organ Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	GC)  RL  50.0		Unit mg/Kg		Prepared	Analyzed 07/03/25 14:13 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 sel Range Organ Result <50.0 sel Range Organ Result <50.0 <50.0	cos (DRO) (Qualifier U  nics (DRO) Qualifier U  U	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 14:13  Analyzed 07/03/25 14:13 07/03/25 14:13	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result sel Range Organ Result <50.0 sel Range Organ Result <50.0	cos (DRO) (Qualifier U  nics (DRO) Qualifier U  U	GC)  RL  50.0  (GC)  RL  50.0		Unit mg/Kg  Unit mg/Kg		Prepared 07/02/25 13:44	Analyzed 07/03/25 14:13  Analyzed 07/03/25 14:13	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 sel Range Organ Result <50.0 sel Range Organ Result <50.0 <50.0	cos (DRO) (Control of the control of	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 14:13  Analyzed 07/03/25 14:13 07/03/25 14:13	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)	Result <pre></pre> <pre>sel Range Organ</pre> <pre>Result  &lt;50.0</pre> <pre>&lt;50.0</pre> <pre>&lt;50.0</pre> <pre>&lt;50.0</pre>	cos (DRO) (Control of the control of	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 07/02/25 13:44 07/02/25 13:44	Analyzed 07/03/25 14:13  Analyzed 07/03/25 14:13 07/03/25 14:13	·

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7/7/2025

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station Job ID: 890-8362-1

SDG: Eddy County, NM

**Client Sample ID: HA-11** 

Date Collected: 07/01/25 15:20 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Lab Sample ID: 890-8362-9

Matrix: Solid

Method: EPA 300.0 - Anions, Ion C	n Chromatography - Soluble								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.5		10.0		mg/Kg			07/03/25 15:49	1

**Client Sample ID: HA-11** Lab Sample ID: 890-8362-10 **Matrix: Solid** 

Date Collected: 07/01/25 15:25 Date Received: 07/02/25 08:00

Sample Depth: 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:57	07/03/25 18:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:57	07/03/25 18:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:57	07/03/25 18:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/02/25 14:57	07/03/25 18:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/02/25 14:57	07/03/25 18:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/02/25 14:57	07/03/25 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/02/25 14:57	07/03/25 18:50	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/02/25 14:57	07/03/25 18:50	1

	Analyte	Result	Qualifier	KL	MDL Unit	D	Prepared	Analyzed	DII Fac
l	Total BTEX	<0.00402	U	0.00402	mg/Kg		_	07/03/25 18:50	1
ſ		I D O	: (DDO) (O						

Michiga. Offoro outo Min - Dieser Itali	ge Organ	ics (Dito) (c							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/25 14:30	1
_									

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/02/25 13:44	07/03/25 14:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/02/25 13:44	07/03/25 14:30	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:44	07/03/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/02/25 13:44	07/03/25 14:30	1
o-Terphenyl	94		70 - 130				07/02/25 13:44	07/03/25 14:30	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble	<b>)</b>						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.1		mg/Kg			07/03/25 15:55	1

**Eurofins Carlsbad** 

Released to Imaging: 12/2/2025 3:25:10 PM

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station Job ID: 890-8362-1

Matrix: Solid

SDG: Eddy County, NM

Lab Sample ID: 890-8362-11

07/02/25 13:44 07/03/25 15:01

**Client Sample ID: HA-12** 

Date Collected: 07/01/25 15:30 Date Received: 07/02/25 08:00

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 19:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 19:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 19:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/02/25 14:57	07/03/25 19:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 19:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/02/25 14:57	07/03/25 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				07/02/25 14:57	07/03/25 19:11	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/02/25 14:57	07/03/25 19:11	1

Method: TAL SOP Total BTEX - Total	<b>BTEX Cal</b>	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/03/25 19:11	1

Method: SW846 8015 NM - Diesel Rar	nge Organi	ics (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	MDL Uni	t D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/	Kg		07/03/25 15:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/02/25 13:44	07/03/25 15:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/02/25 13:44	07/03/25 15:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/02/25 13:44	07/03/25 15:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/02/25 13:44	07/03/25 15:01	1

Method: EPA 300.0 - Anions, Ion C	hromatograph	y - Soluble							
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		9.94		mg/Kg			07/03/25 16:12	1

70 - 130

**Client Sample ID: HA-12** Lab Sample ID: 890-8362-12 **Matrix: Solid** 

Date Collected: 07/01/25 15:35 Date Received: 07/02/25 08:00

Sample Depth: 4

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 19:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 19:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 19:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/02/25 14:57	07/03/25 19:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/02/25 14:57	07/03/25 19:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/02/25 14:57	07/03/25 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				07/02/25 14:57	07/03/25 19:31	

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Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station Job ID: 890-8362-1

SDG: Eddy County, NM

Lab Sample ID: 890-8362-12

Matrix: Solid

**Client Sample ID: HA-12** 

Date Collected: 07/01/25 15:35 Date Received: 07/02/25 08:00

Sample Depth: 4

Chloride

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130				07/02/25 14:57	07/03/25 19:31	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			07/03/25 19:31	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			07/03/25 15:17	
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/02/25 13:44	07/03/25 15:17	1
(GRO)-C6-C10 Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/02/25 13:44	07/03/25 15:17	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/02/25 13:44	07/03/25 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/02/25 13:44	07/03/25 15:17	
o-Terphenyl	96		70 - 130				07/02/25 13:44	07/03/25 15:17	1
Surrogate 1-Chlorooctane o-Terphenyl	97 96	·	70 <sub>-</sub> 130 70 <sub>-</sub> 130				07/02/25 13:4		07/03/25 15:17
od: EPA 300.0 - Anions, Ion	Chromatogran	inv - Solubi	ie –						

9.92

mg/Kg

07/03/25 16:17

108

### **Surrogate Summary**

Client: Earth Systems Response and Restoration

Job ID: 890-8362-1

Project/Site: Fadeaway Ridge Compressor Station

SDG: Eddy 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)	
890-8362-1	HA-7	104	86	
890-8362-2	HA-7	104	91	
890-8362-3	HA-8	104	89	
890-8362-4	HA-8	109	86	
890-8362-5	HA-9	95	92	
890-8362-6	HA-9	98	94	
890-8362-7	HA-10	96	91	
890-8362-8	HA-10	96	93	
890-8362-9	HA-11	98	91	
890-8362-10	HA-11	98	94	
890-8362-11	HA-12	97	90	
890-8362-12	HA-12	97	92	
LCS 880-113563/1-A	Lab Control Sample	103	92	
LCSD 880-113563/2-A	Lab Control Sample Dup	99	91	
MB 880-113563/5-A	Method Blank	97	83	
Surrogate Legend				
BFB = 4-Bromofluorober	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-8362-1	HA-7	93	92	
90-8362-1 MS	HA-7	86	94	
90-8362-1 MSD	HA-7	86	93	
90-8362-2	HA-7	97	97	
90-8362-3	HA-8	93	92	
90-8362-4	HA-8	94	93	
90-8362-5	HA-9	95	94	
90-8362-6	HA-9	94	93	
90-8362-7	HA-10	94	93	
90-8362-8	HA-10	94	94	
0-8362-9	HA-11	95	96	
90-8362-10	HA-11	95	94	
90-8362-11	HA-12	97	95	
90-8362-12	HA-12	97	96	
CS 880-113558/2-A	Lab Control Sample	129	138 S1+	
CSD 880-113558/3-A	Lab Control Sample Dup	127	140 S1+	
CSD 660-113336/3-A		123	123	

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OTPH = o-Terphenyl

### **QC Sample Results**

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

Job ID: 890-8362-1 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-113563/5-A

**Matrix: Solid** 

o-Xylene Xylenes, Total

Analysis Batch: 113584

Client Sample ID: Method Blank

07/03/25 11:48

Prep Type: Total/NA

**Prep Batch: 113563** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/02/25 14:57	07/03/25 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/25 14:57	07/03/25 11:48	1

mg/Kg

MB MB

<0.00400 U

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	70 - 130	07/02/25 14:57	7 07/03/25 11:48	1
1,4-Difluorobenzene (Surr)	83	70 - 130	07/02/25 14:5	7 07/03/25 11:48	1

0.00400

Client Sample ID: Lab Control Sample

07/02/25 14:57

Lab Sample ID: LCS 880-113563/1-A **Matrix: Solid** 

Analysis Batch: 113584

Prep Type: Total/NA **Prep Batch: 113563** 

	<b>Spike</b>	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07693		mg/Kg		77	70 - 130	
Toluene	0.100	0.08116		mg/Kg		81	70 - 130	
Ethylbenzene	0.100	0.09219		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1905		mg/Kg		95	70 - 130	
o-Xylene	0.100	0.09587		mg/Kg		96	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-113563/2-A

**Matrix: Solid** 

Analysis Batch: 113584

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA

**Prep Batch: 113563** 

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08163		mg/Kg		82	70 - 130	6	35	
Toluene	0.100	0.08242		mg/Kg		82	70 - 130	2	35	
Ethylbenzene	0.100	0.09286		mg/Kg		93	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.1910		mg/Kg		95	70 - 130	0	35	
o-Xylene	0.100	0.09632		mg/Kg		96	70 - 130	0	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1.4-Difluorobenzene (Surr)	91		70 - 130

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### QC Sample Results

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

SDG: Eddy County, NM

Job ID: 890-8362-1

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

Lab Sample ID: MB 880-113558/1-A

**Matrix: Solid** 

Analysis Batch: 113616

Client Sample ID: Method Blank
--------------------------------

Prep Type: Total/NA

**Prep Batch: 113558** 

ed Dil Fac
7:26
7:26
07:26 1
ed Dil Fac
77:26
0

70 - 130

Client Sample ID: Lab Control Sample

07/03/25 07:26

07/02/25 13:40

**Matrix: Solid** 

o-Terphenyl

Analysis Batch: 113616

Lab Sample ID: LCS 880-113558/2-A

Prep Type: Total/NA

**Prep Batch: 113558** 

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 1119 112 70 - 130 mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 1189 mg/Kg 119 70 - 130C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 129 70 - 130 o-Terphenyl 138 S1+ 70 - 130

123

Lab Sample ID: LCSD 880-113558/3-A

**Matrix: Solid** 

Analysis Batch: 113616

p

Prep Type: Total/NA

Prep Batch: 113558

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1146		mg/Kg		115	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1209		mg/Kg		121	70 - 130	2	20
C10-C28)									

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 127 140 S1+ 70 - 130 o-Terphenyl

Lab Sample ID: 890-8362-1 MS

**Matrix: Solid** 

Analysis Batch: 113616

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

**Prep Batch: 113558** 

7										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	999	915.0		mg/Kg		92	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	999	976.4		mg/Kg		98	70 - 130	
C10-C28)										

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Client Sample ID: HA-7

Client Sample ID: HA-7

99

70 - 130

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

**Prep Type: Soluble** 

Prep Type: Total/NA

Prep Type: Total/NA

**Prep Batch: 113558** 

Job ID: 890-8362-1 SDG: Eddy County, NM

mg/Kg

Project/Site: Fadeaway Ridge Compressor Station

Client: Earth Systems Response and Restoration

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

<50.0 U

мв мв

**Matrix: Solid** 

Lab Sample ID: 890-8362-1 MS

Analysis Batch: 113616

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 890-8362-1 MSD

**Matrix: Solid** 

Analysis Batch: 113616 Prep Batch: 113558 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <50.0 U 999 921.8 92 70 - 13020 Gasoline Range Organics mg/Kg (GRO)-C6-C10

990.7

999

Diesel Range Organics (Over C10-C28)

MSD MSD %Recovery Surrogate Qualifier Limits 70 - 130 1-Chlorooctane 86 93 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113589/1-A

**Matrix: Solid** 

Analysis Batch: 113620

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride 10.0 <10.0 U mg/Kg 07/03/25 14:32

Lab Sample ID: LCS 880-113589/2-A

**Matrix: Solid** 

Analysis Batch: 113620

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 240.0 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-113589/3-A

**Matrix: Solid** 

Analysis Batch: 113620

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 244.0 mg/Kg 98 90 - 110

Lab Sample ID: MB 880-113590/1-A

Released to Imaging: 12/2/2025 3:25:10 PM

**Matrix: Solid** 

Analysis Batch: 113633

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <10.0 10.0 07/03/25 15:04 Chloride mg/Kg

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20

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

**Prep Type: Soluble** 

Client Sample ID: Method Blank

**Prep Type: Soluble** 

### QC Sample Results

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

Lab Sample ID: LCSD 880-113590/3-A

Job ID: 890-8362-1

SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-113590/2-A **Matrix: Solid** 

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

Analysis Batch: 113633

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 252.6 mg/Kg 101 90 - 110

Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

**Prep Type: Soluble** Analysis Batch: 113633

Spike LCSD LCSD %Rec RPD Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits Chloride 250 253.2 mg/Kg 101 0

Lab Sample ID: 890-8362-6 MS Client Sample ID: HA-9

**Matrix: Solid Prep Type: Soluble** Analysis Batch: 113633

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 121 F1 250 436.9 F1 127 90 - 110 mg/Kg

Lab Sample ID: 890-8362-6 MSD Client Sample ID: HA-9

**Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 113633

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec RPD Limit Limits 438.0 F1 Chloride 121 F1 250 127 90 - 110 0 20 mg/Kg

Client: Earth Systems Response and Restoration

Job ID: 890-8362-1

Project/Site: Fadeaway Ridge Compressor Station

SDG: Eddy County, NM

### **GC VOA**

### **Prep Batch: 113563**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-1	HA-7	Total/NA	Solid	5035	
890-8362-2	HA-7	Total/NA	Solid	5035	
890-8362-3	HA-8	Total/NA	Solid	5035	
890-8362-4	HA-8	Total/NA	Solid	5035	
890-8362-5	HA-9	Total/NA	Solid	5035	
890-8362-6	HA-9	Total/NA	Solid	5035	
890-8362-7	HA-10	Total/NA	Solid	5035	
890-8362-8	HA-10	Total/NA	Solid	5035	
890-8362-9	HA-11	Total/NA	Solid	5035	
890-8362-10	HA-11	Total/NA	Solid	5035	
890-8362-11	HA-12	Total/NA	Solid	5035	
890-8362-12	HA-12	Total/NA	Solid	5035	
MB 880-113563/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113563/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113563/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

### Analysis Batch: 113584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-1	HA-7	Total/NA	Solid	8021B	113563
890-8362-2	HA-7	Total/NA	Solid	8021B	113563
890-8362-3	HA-8	Total/NA	Solid	8021B	113563
890-8362-4	HA-8	Total/NA	Solid	8021B	113563
890-8362-5	HA-9	Total/NA	Solid	8021B	113563
890-8362-6	HA-9	Total/NA	Solid	8021B	113563
890-8362-7	HA-10	Total/NA	Solid	8021B	113563
890-8362-8	HA-10	Total/NA	Solid	8021B	113563
890-8362-9	HA-11	Total/NA	Solid	8021B	113563
890-8362-10	HA-11	Total/NA	Solid	8021B	113563
890-8362-11	HA-12	Total/NA	Solid	8021B	113563
890-8362-12	HA-12	Total/NA	Solid	8021B	113563
MB 880-113563/5-A	Method Blank	Total/NA	Solid	8021B	113563
LCS 880-113563/1-A	Lab Control Sample	Total/NA	Solid	8021B	113563
LCSD 880-113563/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113563

### Analysis Batch: 113720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-1	HA-7	Total/NA	Solid	Total BTEX	-
890-8362-2	HA-7	Total/NA	Solid	Total BTEX	
890-8362-3	HA-8	Total/NA	Solid	Total BTEX	
890-8362-4	HA-8	Total/NA	Solid	Total BTEX	
890-8362-5	HA-9	Total/NA	Solid	Total BTEX	
890-8362-6	HA-9	Total/NA	Solid	Total BTEX	
890-8362-7	HA-10	Total/NA	Solid	Total BTEX	
890-8362-8	HA-10	Total/NA	Solid	Total BTEX	
890-8362-9	HA-11	Total/NA	Solid	Total BTEX	
890-8362-10	HA-11	Total/NA	Solid	Total BTEX	
890-8362-11	HA-12	Total/NA	Solid	Total BTEX	
890-8362-12	HA-12	Total/NA	Solid	Total BTEX	

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Client: Earth Systems Response and Restoration

Job ID: 890-8362-1

Project/Site: Fadeaway Ridge Compressor Station

SDG: Eddy County, NM

GC Semi VOA

Prep Batch: 113558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-1	HA-7	Total/NA	Solid	8015NM Prep	
890-8362-2	HA-7	Total/NA	Solid	8015NM Prep	
890-8362-3	HA-8	Total/NA	Solid	8015NM Prep	
890-8362-4	HA-8	Total/NA	Solid	8015NM Prep	
890-8362-5	HA-9	Total/NA	Solid	8015NM Prep	
890-8362-6	HA-9	Total/NA	Solid	8015NM Prep	
890-8362-7	HA-10	Total/NA	Solid	8015NM Prep	
890-8362-8	HA-10	Total/NA	Solid	8015NM Prep	
890-8362-9	HA-11	Total/NA	Solid	8015NM Prep	
890-8362-10	HA-11	Total/NA	Solid	8015NM Prep	
890-8362-11	HA-12	Total/NA	Solid	8015NM Prep	
890-8362-12	HA-12	Total/NA	Solid	8015NM Prep	
MB 880-113558/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113558/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8362-1 MS	HA-7	Total/NA	Solid	8015NM Prep	
890-8362-1 MSD	HA-7	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-1	HA-7	Total/NA	Solid	8015B NM	113558
890-8362-2	HA-7	Total/NA	Solid	8015B NM	113558
890-8362-3	HA-8	Total/NA	Solid	8015B NM	113558
890-8362-4	HA-8	Total/NA	Solid	8015B NM	113558
890-8362-5	HA-9	Total/NA	Solid	8015B NM	113558
890-8362-6	HA-9	Total/NA	Solid	8015B NM	113558
890-8362-7	HA-10	Total/NA	Solid	8015B NM	113558
890-8362-8	HA-10	Total/NA	Solid	8015B NM	113558
890-8362-9	HA-11	Total/NA	Solid	8015B NM	113558
890-8362-10	HA-11	Total/NA	Solid	8015B NM	113558
890-8362-11	HA-12	Total/NA	Solid	8015B NM	113558
890-8362-12	HA-12	Total/NA	Solid	8015B NM	113558
MB 880-113558/1-A	Method Blank	Total/NA	Solid	8015B NM	113558
LCS 880-113558/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113558
LCSD 880-113558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113558
890-8362-1 MS	HA-7	Total/NA	Solid	8015B NM	113558
890-8362-1 MSD	HA-7	Total/NA	Solid	8015B NM	113558

Analysis Batch: 113687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-1	HA-7	Total/NA	Solid	8015 NM	
890-8362-2	HA-7	Total/NA	Solid	8015 NM	
890-8362-3	HA-8	Total/NA	Solid	8015 NM	
890-8362-4	HA-8	Total/NA	Solid	8015 NM	
890-8362-5	HA-9	Total/NA	Solid	8015 NM	
890-8362-6	HA-9	Total/NA	Solid	8015 NM	
890-8362-7	HA-10	Total/NA	Solid	8015 NM	
890-8362-8	HA-10	Total/NA	Solid	8015 NM	
890-8362-9	HA-11	Total/NA	Solid	8015 NM	
890-8362-10	HA-11	Total/NA	Solid	8015 NM	
890-8362-11	HA-12	Total/NA	Solid	8015 NM	

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Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

Job ID: 890-8362-1 SDG: Eddy County, NM

### **GC Semi VOA (Continued)**

### **Analysis Batch: 113687 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-12	HA-12	Total/NA	Solid	8015 NM	

### HPLC/IC

### Leach Batch: 113589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-1	HA-7	Soluble	Solid	DI Leach	
890-8362-2	HA-7	Soluble	Solid	DI Leach	
890-8362-3	HA-8	Soluble	Solid	DI Leach	
890-8362-4	HA-8	Soluble	Solid	DI Leach	
890-8362-5	HA-9	Soluble	Solid	DI Leach	
MB 880-113589/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113589/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113589/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

### Leach Batch: 113590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-6	HA-9	Soluble	Solid	DI Leach	_
890-8362-7	HA-10	Soluble	Solid	DI Leach	
890-8362-8	HA-10	Soluble	Solid	DI Leach	
890-8362-9	HA-11	Soluble	Solid	DI Leach	
890-8362-10	HA-11	Soluble	Solid	DI Leach	
890-8362-11	HA-12	Soluble	Solid	DI Leach	
890-8362-12	HA-12	Soluble	Solid	DI Leach	
MB 880-113590/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113590/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113590/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8362-6 MS	HA-9	Soluble	Solid	DI Leach	
890-8362-6 MSD	HA-9	Soluble	Solid	DI Leach	

### Analysis Batch: 113620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-1	HA-7	Soluble	Solid	300.0	113589
890-8362-2	HA-7	Soluble	Solid	300.0	113589
890-8362-3	HA-8	Soluble	Solid	300.0	113589
890-8362-4	HA-8	Soluble	Solid	300.0	113589
890-8362-5	HA-9	Soluble	Solid	300.0	113589
MB 880-113589/1-A	Method Blank	Soluble	Solid	300.0	113589
LCS 880-113589/2-A	Lab Control Sample	Soluble	Solid	300.0	113589
LCSD 880-113589/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113589

### Analysis Batch: 113633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8362-6	HA-9	Soluble	Solid	300.0	113590
890-8362-7	HA-10	Soluble	Solid	300.0	113590
890-8362-8	HA-10	Soluble	Solid	300.0	113590
890-8362-9	HA-11	Soluble	Solid	300.0	113590
890-8362-10	HA-11	Soluble	Solid	300.0	113590
890-8362-11	HA-12	Soluble	Solid	300.0	113590
890-8362-12	HA-12	Soluble	Solid	300.0	113590
MB 880-113590/1-A	Method Blank	Soluble	Solid	300.0	113590

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Client: Earth Systems Response and Restoration

Job ID: 890-8362-1

Project/Site: Fadeaway Ridge Compressor Station

SDG: Eddy County, NM

### **HPLC/IC (Continued)**

### **Analysis Batch: 113633 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-113590/2-A	Lab Control Sample	Soluble	Solid	300.0	113590
LCSD 880-113590/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113590
890-8362-6 MS	HA-9	Soluble	Solid	300.0	113590
890-8362-6 MSD	HA-9	Soluble	Solid	300.0	113590

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Lab Sample ID: 890-8362-1

Matrix: Solid

Date Collected: 07/01/25 14:40 Date Received: 07/02/25 08:00

Client Sample ID: HA-7

	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	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 14:33	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 14:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 11:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 11:37	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 17:39	SMC	EET MID

**Client Sample ID: HA-7** Lab Sample ID: 890-8362-2

Date Collected: 07/01/25 14:45 Matrix: Solid Date Received: 07/02/25 08:00

	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	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 14:53	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 14:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 12:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 12:23	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 17:46	SMC	EET MID

**Client Sample ID: HA-8** Lab Sample ID: 890-8362-3

Date Collected: 07/01/25 14:50 **Matrix: Solid** Date Received: 07/02/25 08:00

	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	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 15:14	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 15:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 12:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 12:39	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 17:53	SMC	EET MID

**Client Sample ID: HA-8** Lab Sample ID: 890-8362-4

Date Collected: 07/01/25 14:55 **Matrix: Solid** Date Received: 07/02/25 08:00

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 16:47	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 16:47	SA	EET MID

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### **Lab Chronicle**

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

Job ID: 890-8362-1 SDG: Eddy County, NM

**Client Sample ID: HA-8** 

Date Received: 07/02/25 08:00

Lab Sample ID: 890-8362-4 Date Collected: 07/01/25 14:55 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			113687	07/03/25 12:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 12:55	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 18:01	SMC	EET MID

**Client Sample ID: HA-9** Lab Sample ID: 890-8362-5

Date Collected: 07/01/25 15:00 **Matrix: Solid** 

Date Received: 07/02/25 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 17:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 17:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 13:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 13:11	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113589	07/03/25 09:26	SA	EET MID
Soluble	Analysis	300.0		1			113620	07/03/25 18:08	SMC	EET MID

**Client Sample ID: HA-9** Lab Sample ID: 890-8362-6

Date Collected: 07/01/25 15:05 Date Received: 07/02/25 08:00

	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	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 17:28	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 17:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 13:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 13:27	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	113590	07/03/25 09:31	SA	EET MID
Soluble	Analysis	300.0		1			113633	07/03/25 15:21	SMC	EET MID

**Client Sample ID: HA-10** Lab Sample ID: 890-8362-7

Date Collected: 07/01/25 15:10 Date Received: 07/02/25 08:00

	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	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 17:49	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 17:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 13:42	SA	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.08 g 1 uL	10 mL 1 uL	113558 113616	07/02/25 13:44 07/03/25 13:42	EL TKC	EET MID EET MID

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**Matrix: Solid** 

**Matrix: Solid** 

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

**Client Sample ID: HA-10** Lab Sample ID: 890-8362-7 Date Collected: 07/01/25 15:10

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			5.04 g	50 mL	113590	07/03/25 09:31	SA	EET MID
Soluble	Analysis	300.0		1			113633	07/03/25 15:38	SMC	EET MID

**Client Sample ID: HA-10** Lab Sample ID: 890-8362-8

Date Collected: 07/01/25 15:15 **Matrix: Solid** 

Date Received: 07/02/25 08:00

Date Received: 07/02/25 08:00

	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	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 18:09	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 18:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 13:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 13:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113590	07/03/25 09:31	SA	EET MID
Soluble	Analysis	300.0		1			113633	07/03/25 15:43	SMC	EET MID

**Client Sample ID: HA-11** Lab Sample ID: 890-8362-9

Date Collected: 07/01/25 15:20 Date Received: 07/02/25 08:00

**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	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 18:30	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 18:30	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 14:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 14:13	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113590	07/03/25 09:31	SA	EET MID
Soluble	Analysis	300.0		1			113633	07/03/25 15:49	SMC	EET MID

**Client Sample ID: HA-11** Lab Sample ID: 890-8362-10

Date Collected: 07/01/25 15:25 **Matrix: Solid** Date Received: 07/02/25 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 18:50	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 18:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 14:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 14:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	113590	07/03/25 09:31	SA	EET MID
Soluble	Analysis	300.0		1			113633	07/03/25 15:55	SMC	EET MID

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**Client Sample ID: HA-12** 

Date Collected: 07/01/25 15:30 Date Received: 07/02/25 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 19:11	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 19:11	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 15:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 15:01	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113590	07/03/25 09:31	SA	EET MID
Soluble	Analysis	300.0		1			113633	07/03/25 16:12	SMC	EET MID

**Client Sample ID: HA-12** 

Date Collected: 07/01/25 15:35 Date Received: 07/02/25 08:00 Lab Sample ID: 890-8362-12

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	113563	07/02/25 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113584	07/03/25 19:31	EL	EET MID
Total/NA	Analysis	Total BTEX		1			113720	07/03/25 19:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			113687	07/03/25 15:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	113558	07/02/25 13:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113616	07/03/25 15:17	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113590	07/03/25 09:31	SA	EET MID
Soluble	Analysis	300.0		1			113633	07/03/25 16:17	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 Project/Site: Fadeaway Ridge Compressor Station

Job ID: 890-8362-1 SDG: Eddy 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	

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### **Method Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeaway Ridge Compressor Station

Job ID: 890-8362-1 SDG: Eddy County, NM

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

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
00.0	Anions, Ion Chromatography	EPA	EET MID
6035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
OI 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: Fadeaway Ridge Compressor Station Job ID: 890-8362-1

SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8362-1	HA-7	Solid	07/01/25 14:40	07/02/25 08:00	0.5
890-8362-2	HA-7	Solid	07/01/25 14:45	07/02/25 08:00	4
890-8362-3	HA-8	Solid	07/01/25 14:50	07/02/25 08:00	0.5
890-8362-4	HA-8	Solid	07/01/25 14:55	07/02/25 08:00	4
890-8362-5	HA-9	Solid	07/01/25 15:00	07/02/25 08:00	0.5
890-8362-6	HA-9	Solid	07/01/25 15:05	07/02/25 08:00	4
890-8362-7	HA-10	Solid	07/01/25 15:10	07/02/25 08:00	0.5
890-8362-8	HA-10	Solid	07/01/25 15:15	07/02/25 08:00	4
890-8362-9	HA-11	Solid	07/01/25 15:20	07/02/25 08:00	0.5
890-8362-10	HA-11	Solid	07/01/25 15:25	07/02/25 08:00	4
890-8362-11	HA-12	Solid	07/01/25 15:30	07/02/25 08:00	0.5
890-8362-12	HA-12	Solid	07/01/25 15:35	07/02/25 08:00	4

eurofins 🔆 Xenco **Environment Testing** 

Company Name:

Earth Systems R&R Gilbert Moreno

Bill to: (if different)

Company Name:

Earth Systems

1910 Resource Ct.

Project Manager:

City, State ZIP:

832-541-7719 Carlsbad, NM, 88220

Email: gmoreno@earthsys.net

City, State ZIP:

ddress:

# 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

roject Name:	Fadeaway Ridge Compressor Station	pressor Station		Turn Around							ANALYSIS		REQUEST	EST						Pre	serva	<b>Preservative Codes</b>	les
roject Number:	640		Routine	Rush	Pres. Code	e .														None: NO	J	DI Wat	DI Water: H <sub>2</sub> O
roject Location:	Eddy County, NM	, NM	Due Date:	Routine TAT																Cool: Cool	_	MeOH: Me	Me
ampler's Name:	Santiago Giron	iron	TAT starts the	TAT starts the day received by the lab, if	e lab, if		+	T					1	1						HCL: HC		NH. CONH	F
C/WO#:			rec	received by 4:30pm																H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>		NaOH: Na	Na
SAMPLE RECEIPT	I Gamp Blank:	Yes No	Wet ice:	Yes	nete	-	T													H <sub>3</sub> PO <sub>4</sub> : HP	U		
amples Received Intact:	$\overline{}$	Thermometer ID:	ter ID:	Tungo	ran	_														NaHSO <sub>4</sub> : NABIS	NABIS	,	
Cooler Custody Seals:	Yes No WIA	Correction Factor:	Factor:	2.0-	Pa													T	-	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaSO	ຜ້	
Sample Custody Seals:			Temperature Reading:	-7. U																Zn Acetate+NaOH: Zn	e+Na(	)H: Zn	
otal Containers:			Corrected Temperature:	- 2. 2			1M		X	h									T	NaOH+Ascorbic Acid: SAPC	scorbic	Acid: S	DA!
Sample Identification	fication		Time Sampled	Depth (feet)	Grab/ Comp # of Cont	TPH -NM	Chloride-N	BTEX-NM	Hold	24 Hr Rus										San	nple (	Sample Comments	nts
HA-7	S	7.1.25	14:40	0.5	Grab/ 1	×	×	×												Inc	iden	Incident Number	19
HA-7	S	7.1.25	14:45	4	Grab/ 1	×	×	×												nA	PP25	nAPP2516830043	13
HA-8	S	7.1.25	14:50	0.5	Grab/ 1	×	×	×															
HA-8	S	7.1.25	14:55	4	Grab/ 1	×	×	×															
НА-9	S	7.1.25	15:00	0.5	Grab/ 1	×	×	X															
HA-9	S	7.1.25	15:05	4	Grab/ 1	×	×	X															
HA-10	S	7.1.25	15:10	0.5	Grab/ 1	×	×	×															
HA-10	S	7.1.25	15:15	4	Grab/ 1	×	×	×															
HA-11	S	7.1.25	15:20	0.5	Grab/ 1	×	×	×					_										
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ircle Method(s) and	Circle Method(s) and Metal(s) to be analyzed	llyzed																Нg:	1631	Hg: 1631 / 245.1 / 7470 / 7471	470 /	7471	
stice: Signature of this do service. Eurofins Xenco Eurofins Xenco. A minkr	tolice: 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 is successful to successful the control 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 successful the successful the successful to successful the successful the successful to successful the successful	nt of samples co cost of samples be applied to ear	onstitutes a valid and shall not ass ch project and a c	purchase order from o ume any responsibilit harge of \$5 for each s	dient compan y for any loss sample submi	y to Eur	ofins Xe (penses urofins	nco, its a Incurred Xenco, b	affiliates by the c	and sub lient if s nalyzed.	contracuch loss	tors. It ses are erms w	It assigns standard terms and conditions edue to circumstances beyond the contro will be enforced unless previously negotia	standa ircumst	ırd teri tances unless	ms and beyond previou	condit	ons ntrol jotiatec					
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Reporting: Level II 🗌 Level III 🗎 PST/UST 📗 TRRP Deliverables: EDD ADaPT Level IV Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

ed Date: 08/25/2020 Rev. 2020.2

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# eurofins 🔆

Project Manager:

Gilbert Moreno

Bill to: (if different)

Company Name:

Earth Systems

Company Name:

Earth Systems R&R

1910 Resource Ct.

Carlsbad, NM, 88220

City, State ZIP:

Project Number:

Phone: City, State ZIP:

Sampler's Name: Project Location:

Total Containers:

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 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Work Order No:

www.xe	www.xenco.com Page	ige 2	of C
Wor	<b>Work Order Comments</b>	ents	
Program: UST/PST☐ PRP☐ Brownfields☐ RRC☐ Superfund	रि∏ Brownfield:	RRO	Superfund
State of Project:			
Reporting: Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 📗 Level IV 📗	III 🗌 PST/UST	☐ TRRP☐	Level IV
Deliverables: EDD	ADaPT □	Other:	

hone: 832-541-7719			Email:	Email: gmoreno@earthsys.net	ys.net								<u>-</u>	בפוועפו מטופט. בבט	Dies.	5			200	0.00	
Project Name: Fadeaway Ridge Compressor Station	e Compress	or Station	L	Turn Around						D	ANALYSIS		REQUEST	ST						Preservati	Preservative Codes
Ä	640		Routine	Rush	Pres. Code	s.														None: NO	DI Water: H <sub>2</sub> O
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samples Received Intact: Yes	No	Thermometer ID:	er ID:	Simp	J		t			-		1	+	_		Ļ				NaHSO <sub>4</sub> : NABIS	3,
<u></u> ≼/	N/A	Correction Factor:	actor:	10.D	Pa								_		_					Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	3
Sample Custody Seals: Yes No		N/A Temperature Reading:	Reading:	12.4	-								+		Ļ	_				Zn Acetate+NaOH: Zn	)H: Zn
		Corrected To	Corrected Temperature:	13.7			NM			h	H	+		+	H	_				NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet) Co	Grab/ of Comp # 0	Cont TPH -NM	Chloride-	BTEX-NM	Hold	24 Hr Rus										Sample C	Sample Comments
HA-11	S	7.1.25	15:25	4 Gr	Grab/ 1	×	×	×			L				H					Incident	Incident Number
HA-12	S	7.1.25	15:30	0.5 Gr	Grab/ 1	×	×	×					_		_					nAPP251	nAPP2516830043
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Dircle Method(s) and Metal(s) to be analyzed	e analyze	ed																Hg: 1	631 /	Hg: 1631 / 245.1 / 7470 / 7471	7471
totice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors.	uishment of	samples con	stitutes a valid	purchase order from clia	ent compa	ny to Eur	ofins Xe	nco, its a	filliates	and sub	contract	ors. It a	It assigns standard terms and conditions	standar	d term	and c	onditio	ns l			
r 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	.00 will be a	pplied to each	project and a	harge of \$5 for each san	nple subm	itted to E	urofins	Xenco, b	ut not ar	nalyzed.	These te	rms wil	will be enforced unless previously negotiated.	orced u	iless pr	evious	y nego	otiated			

Carlsbad, NM 88220 1089 N Canal St **Eurofins Carlsbad** 

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Chain of Custody Record

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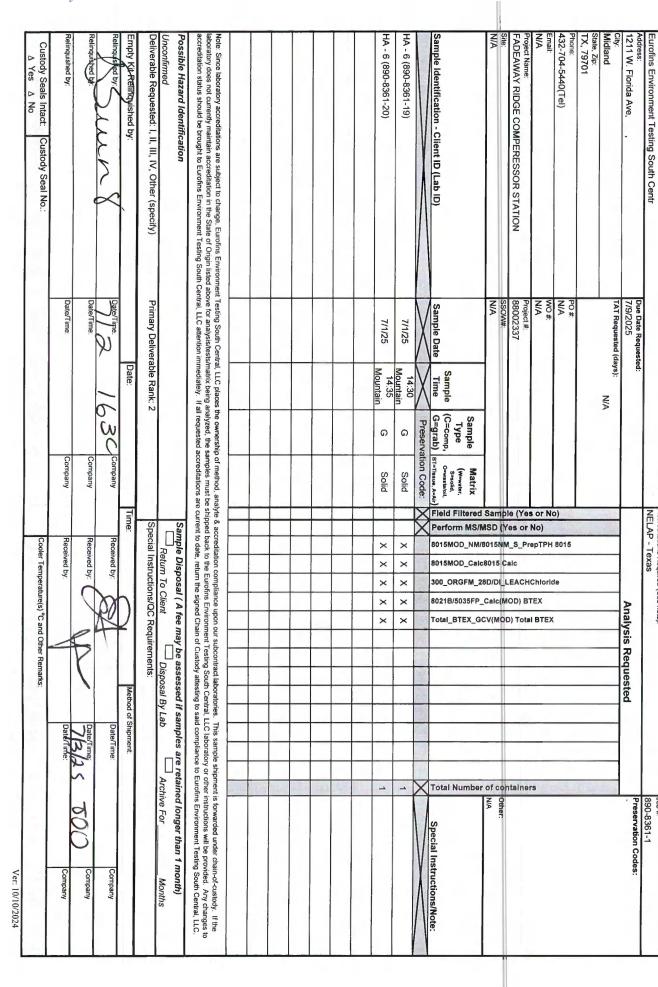
eurofins

**Environment Testing** 

State, Zip: TX, 79701 HA-8 (890-8362-4) HA-7 (890-8362-1) 432-704-5440(Tel) Client Information Phone: 575-988-3199 Fax: 575-988-3199 Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC, attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC, HA-11 (890-8362-9) HA-10 (890-8362-8) HA-9 (890-8362-6) HA-9 (890-8362-5) HA-8 (890-8362-3) HA-7 (890-8362-2) Sample Identification - Client ID (Lab ID) Midland 1211 W. Florida Ave. Eurofins Environment Testing South Centr Possible Hazard Identification HA-10 (890-8362-7) adeaway Ridge Compressor Station roject Name Deliverable Requested: I, II, III, IV, Other (specify) mpty Kit Refinduished by elinquished by: nconfirmed Custody Seals Intact: ipping/Receiving Δ Yes Δ No (Sub Contract Lab) Custody Seal No. Sampler N/A Phone: N/A N/A NO # Due Date Requested: 7/9/2025 Date/Time 88002337 TAT Requested (days): Primary Deliverable Rank: Sample Date roject # 7/1/25 7/1/25 7/1/25 7/1/25 7/1/25 7/1/25 7/1/25 7/1/25 7/1/25 Mountain 15:15 Mountain 15:10 Mountain 14:55 Mountain 14:45 Mountain 15:20 Mountain 15:05 Mountain 14:50 Mountain 15:00 Mountain 14:40 K G=grab) (C=comp, Sample Type Preservation Code: G G 0 G 9 G G G G Company Company Matrix Solid Solid Solid Solid Solid Solid Solid Solid Solid Lab PM: Teel, Brianna E-Mail Brianna.Teel@et.eurofinsus.com lime: Field Filtered Sample (Yes or No) NELAP - Texas Accreditations Required (See note) Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Perform MS/MSD (Yes or No) Special Instructions/QC Requirements × × × × × × × × × 8015MOD\_NM/8015NM\_S\_PrepTPH 8015 Cooler Temperature(s) °C and Other Remarks. Received by × × × × × × × × × 8015MOD\_Calc8015 Calc × × × × × × × 300\_ORGFM\_28D/DI\_LEACHChloride × × × × × × × 8021B/5035FP\_Calc(MOD) BTEX × × × × Analysis Requested Total\_BTEX\_GCV(MOD) Total BTEX × × × × × × × × × **New Mexico** State of Origin NA Method of Shipment Tracking No(s): 55/2·4 Date/Time Date/Time Total Number of containers \_ \_ \_ \_ \_ COC No: 890-5341.1 Preservation Codes: 890-8362-1 Page 1 of 2 Special Instructions/Note: Company Company Ver: 10/10/202

1089 N Canal St.	Chain of	Chain of Custody Record		💸 eurofins	/202
Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199				Environment Testing	7/7/
	Sampler:	Lab PM:	Carner Tracking No(s):	COC No:	
Client Information (Sub Contract Lab)	N/A	Teel, Brianna	NA	890-5340.3	
Client Contact:	Phone:	E-Mail:	State of Origin:	Page:	
Shipping/Receiving	N/A	Brianna.Teel@et.eurofinsus.com	New Mexico	Page 3 of 3	
Company		Accreditations Required (See note):		Job 井	
Eurofins Environment Testing South Centr		NELAP - Texas		890-8361-1	



# **Chain of Custody Record**

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Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199		Chair of Castody Record	0 0 0	ouy Ive	Č	2														Environment Testing
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Client Contact: Shipping/Receiving	Phone: N/A			E-Mail: Brianr	E-Mail: Brianna.Teel@et.eurofinsus.com	l@et.	euro	insui	s.com	-		N St	State of Origin: New Mexico	Origin	0				ים מד	Page: Page 2 of 3
Company: Eurofins Environment Testing South Centr				7 2	Accreditation		ns Required (See note) Texas	ed (Se	e note	~									∞ <u>⊱</u>	Job #: 890-8361-1
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State, Zip: TX, 79701																		and the same	0	
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N/A	N/A			C		B015N	8015	_		C A (INI		-	-			-				N/A
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HA - 4 (890-8361-13)	7/1/25	14:00 Mountain	G	Solid		×	×	×	×	×	-		-	-	-	-			-4	
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HA - 5 (890-8361-17)	7/1/25	14:20 Mountain	G	Solid		×	×	×	×	×	-	-	-	-	-	-	-		-	
HA - 6 (890-8361-18)	7/1/25	14:25 Mountain	G	Solid		×	×	×	×	×	-					$\vdash$	Ш		_	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC.	ment Testing South Central above for analysis/tests. Central, LLC attention im	al, LLC places the first fix being an immediately. If all	he ownership o halyzed, the san I requested acc	f method, analy nples must be si reditations are o	te & acc hipped to	reditat back to o date,	the E	mpliar urofine	ce upo Envir	onmer Chain	subco nt Test of Cus	ntract ing So tody	labor outh C	atorie entra	. LLC	s san labor	nple s atory	hipm or ot to Eu	ent is ner in rofins	forwarded under chain-of-custr structions will be provided. Any Environment Testing South Co
Possible Hazard Identification					San	Sample Disposal ( A	Disp	osal	A fe	e ma	7 be	ass	esse	d ii	sam	des	are	⊢eta	inec	fee may be assessed if samples are retained longer than 1 month)
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Custody Seals Intact: Custody Seal No.:						Cooler Temperature(s)	Temp	eratu		°C and Other Remarks:	Ther	Rema	Ś	1	1	ı	١	ı	١	

# **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8362-1

SDG Number: Eddy County, NM

List Source: Eurofins Carlsbad

Login Number: 8362 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	

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# **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8362-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

List Creation: 07/03/25 08:18 AM

Login Number: 8362 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 8/18/2025 1:48:14 PM

# **JOB DESCRIPTION**

Fadeway Ridge Compressor Station Eddy County, NM

# **JOB NUMBER**

890-8631-1

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 8/18/2025 1:48:14 PM

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

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

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1 1

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Laboratory Job ID: 890-8631-1 SDG: Eddy County, NM

# **Table of Contents**

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Case Narrative	5
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QC Sample Results	8
QC Association Summary	11
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Method Summary	15
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# Definitions/Glossary

Client: Earth Systems Response and Restoration

Job ID: 890-8631-1

Project/Site: Fadeway Ridge Compressor Station

SDG: Eddy County, NM

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**Qualifiers** 

GC VOA Qualifier Qu

 Qualifier
 Qualifier Description

 S1+
 Surrogate recovery exceeds control limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

**Glossary** 

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PQL Practical Quantitation Li

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

**Eurofins Carlsbad** 

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Job ID: 890-8631-1

# **Case Narrative**

Client: Earth Systems Response and Restoration

Project: Fadeway Ridge Compressor Station

**Eurofins Carlsbad** Job ID: 890-8631-1

#### Job Narrative 890-8631-1

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 sample was received on 8/15/2025 2:51 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

#### Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CS - 1 (890-8631-1).

#### **GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-116580 and analytical batch 880-116862 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS - 1 (890-8631-1). 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

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 Sample Results**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8631-1

SDG: Eddy County, NM

Lab Sample ID: 890-8631-1

Matrix: Solid

Client Sample ID: CS - 1

Date Collected: 08/15/25 13:00 Date Received: 08/15/25 14:51

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/25 17:00	08/17/25 04:27	
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/25 17:00	08/17/25 04:27	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/16/25 17:00	08/17/25 04:27	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/25 17:00	08/17/25 04:27	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/25 17:00	08/17/25 04:27	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/25 17:00	08/17/25 04:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				08/16/25 17:00	08/17/25 04:27	
1,4-Difluorobenzene (Surr)	108		70 - 130				08/16/25 17:00	08/17/25 04:27	
· Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/25 04:27	
Method: SW846 8015 NM - Diese			•						
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			08/18/25 11:45	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 11:45	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 11:45	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 11:45	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	72		70 - 130				08/17/25 17:35	08/18/25 11:45	
o-Terphenyl	72		70 - 130				08/17/25 17:35	08/18/25 11:45	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
	<10.0		10.0					08/18/25 10:52	

# **Surrogate Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8631-1 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limi
		BFB1	DFBZ1	
b Sample ID	Client Sample ID	(70-130)	(70-130)	
0-8631-1	CS - 1	139 S1+	108	
8 880-116580/1-A	Lab Control Sample	96	78	
SD 880-116580/2-A	Lab Control Sample Dup	99	79	
880-116580/5-A	Method Blank	216 S1+	117	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-8631-1	CS - 1	72	72	
890-8631-1 MS	CS - 1	73	77	
890-8631-1 MSD	CS - 1	72	77	
LCS 880-116866/2-A	Lab Control Sample	74	82	
LCSD 880-116866/3-A	Lab Control Sample Dup	93	81	
MB 880-116866/1-A	Method Blank	79	81	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8631-1

SDG: Eddy County, NM

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

Lab Sample ID: MB 880-116580/5-A

Lab Sample ID: LCS 880-116580/1-A

**Matrix: Solid** 

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

Matrix: Solid

Analysis Batch: 116862

Analysis Batch: 116862

Client Sample ID: Method Blank

08/16/25 20:20

08/16/25 20:20

Prep Type: Total/NA

**Prep Batch: 116580** 

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		08/13/25 09:15	08/16/25 20:20	1
<0.00200	U	0.00200		mg/Kg		08/13/25 09:15	08/16/25 20:20	1
<0.00200	U	0.00200		mg/Kg		08/13/25 09:15	08/16/25 20:20	1
<0.00400	U	0.00400		mg/Kg		08/13/25 09:15	08/16/25 20:20	1

mg/Kg

mg/Kg

MB MB

<0.00200 U

<0.00400 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	216	S1+	70 - 130	08/13/25 09:15	08/16/25 20:20	1
1.4-Difluorobenzene (Surr)	117		70 - 130	08/13/25 09:15	08/16/25 20:20	1

0.00200

0.00400

Client Sample ID: Lab Control Sample

08/13/25 09:15

08/13/25 09:15

Prep Type: Total/NA

**Prep Batch: 116580** 

Prep Type: Total/NA

**Prep Batch: 116580** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08615		mg/Kg		86	70 - 130	
Toluene	0.100	0.07130		mg/Kg		71	70 - 130	
Ethylbenzene	0.100	0.08164		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	0.200	0.1912		mg/Kg		96	70 - 130	
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	78	70 <sub>-</sub> 130

Lab Sample ID: LCSD 880-116580/2-A **Client Sample ID: Lab Control Sample Dup** 

**Matrix: Solid** 

Analysis Batch: 116862

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08534		mg/Kg		85	70 - 130	1	35
Toluene	0.100	0.07901		mg/Kg		79	70 - 130	10	35
Ethylbenzene	0.100	0.07547		mg/Kg		75	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1778		mg/Kg		89	70 - 130	7	35
o-Xylene	0.100	0.1063		mg/Kg		106	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1.4-Difluorobenzene (Surr)	79		70 - 130

Job ID: 890-8631-1 Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station SDG: Eddy County, NM

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

Lab Sample ID: MB 880-116866/1-A **Matrix: Solid** 

Analysis Batch: 116927

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 116866** 

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
МВ	MB							
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
79		70 _ 130				08/17/25 17:35	08/18/25 09:20	1
81		70 - 130				08/17/25 17:35	08/18/25 09:20	1
	Result		Result         Qualifier         RL           <50.0	Result         Qualifier         RL         MDL           <50.0	Result         Qualifier         RL         MDL         Unit           <50.0	Result         Qualifier         RL         MDL         Unit         D           <50.0	Result         Qualifier         RL         MDL         Unit         D         Prepared           <50.0	Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           <50.0

**Client Sample ID: Lab Control Sample** 

Lab Sample ID: LCS 880-116866/2-A **Matrix: Solid** 

Analysis Batch: 116927

Prep Type: Total/NA **Prep Batch: 116866** 

	Spike	LCS L	_CS				%Rec	
Analyte	Added	Result C	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1059		mg/Kg		106	70 - 130	

LCS LCS %Recovery Qualifier Limits 74 70 - 130

1-Chlorooctane o-Terphenyl 82 70 - 130

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-116866/3-A **Matrix: Solid** 

Analysis Batch: 116927

Surrogate

Prep Type: Total/NA **Prep Batch: 116866** 

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1101		mg/Kg		110	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1012		mg/Kg		101	70 - 130	5	20
C10-C28)									

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 93 81 70 - 130 o-Terphenyl

Lab Sample ID: 890-8631-1 MS Client Sample ID: CS - 1 **Matrix: Solid** 

Analysis Batch: 116927

Prep Type: Total/NA **Prep Batch: 116866** 

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	999	956.7		mg/Kg		96	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	999	976.5		mg/Kg		95	70 - 130	
C10-C28)										

Job ID: 890-8631-1 SDG: Eddy County, NM

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

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

Lab Sample ID: 890-8631-1 MS **Matrix: Solid** 

Analysis Batch: 116927

Client Sample ID: CS - 1 Prep Type: Total/NA **Prep Batch: 116866** 

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

Lab Sample ID: 890-8631-1 MSD

Client Sample ID: CS - 1 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 116927 Prep Batch: 116866 Sample Sample Spike MSD MSD %Rec RPD

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <50.0 U 999 965.1 97 70 - 13020 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 995.9 97 mg/Kg 70 - 1302 20 C10-C28)

MSD MSD %Recovery Surrogate Qualifier Limits 72 70 - 130 1-Chlorooctane 77 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116836/1-A

**Matrix: Solid** 

Analysis Batch: 116875

мв мв

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 10.0 Chloride <10.0 U mg/Kg 08/18/25 08:58

Lab Sample ID: LCS 880-116836/2-A

**Matrix: Solid** 

Analysis Batch: 116875

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 238.8 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-116836/3-A

Released to Imaging: 12/2/2025 3:25:10 PM

**Matrix: Solid** 

Analysis Batch: 116875

Spike LCSD LCSD %Rec RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 238.7 mg/Kg 95 90 - 110 20

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Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

# **QC Association Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8631-1 SDG: Eddy County, NM

## **GC VOA**

## **Prep Batch: 116580**

Lab Sample ID 890-8631-1	Client Sample ID  CS - 1	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-116580/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116580/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116580/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

#### Analysis Batch: 116862

<b>Lab Sample ID</b> 890-8631-1	Client Sample ID CS - 1	Prep Type Total/NA	Solid	Method 8021B	Prep Batch 116580
MB 880-116580/5-A	Method Blank	Total/NA	Solid	8021B	116580
LCS 880-116580/1-A	Lab Control Sample	Total/NA	Solid	8021B	116580
LCSD 880-116580/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116580

#### Analysis Batch: 116951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8631-1	CS - 1	Total/NA	Solid	Total BTEX	

#### **GC Semi VOA**

## **Prep Batch: 116866**

<b>Lab Sample ID</b> 890-8631-1	Client Sample ID CS - 1	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-116866/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116866/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8631-1 MS	CS - 1	Total/NA	Solid	8015NM Prep	
890-8631-1 MSD	CS - 1	Total/NA	Solid	8015NM Prep	

#### **Analysis Batch: 116927**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8631-1	CS - 1	Total/NA	Solid	8015B NM	116866
MB 880-116866/1-A	Method Blank	Total/NA	Solid	8015B NM	116866
LCS 880-116866/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116866
LCSD 880-116866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116866
890-8631-1 MS	CS - 1	Total/NA	Solid	8015B NM	116866
890-8631-1 MSD	CS - 1	Total/NA	Solid	8015B NM	116866

## Analysis Batch: 116969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8631-1	CS - 1	Total/NA	Solid	8015 NM	

## HPLC/IC

# Leach Batch: 116836

Lab Sample ID 890-8631-1	Client Sample ID	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-116836/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116836/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116836/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

#### Analysis Batch: 116875

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8631-1	CS - 1	Soluble	Solid	300.0	116836

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# **QC Association Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8631-1 SDG: Eddy County, NM

# **HPLC/IC (Continued)**

# **Analysis Batch: 116875 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-116836/1-A	Method Blank	Soluble	Solid	300.0	116836
LCS 880-116836/2-A	Lab Control Sample	Soluble	Solid	300.0	116836
LCSD 880-116836/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116836

## **Lab Chronicle**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8631-1 SDG: Eddy County, NM

Lab Sample ID: 890-8631-1

Matrix: Solid

Client Sample ID: CS - 1

Date Collected: 08/15/25 13:00 Date Received: 08/15/25 14:51

	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	116580	08/16/25 17:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116862	08/17/25 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116951	08/17/25 04:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			116969	08/18/25 11:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	116866	08/17/25 17:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116927	08/18/25 11:45	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	116836	08/16/25 10:34	SMC	EET MID
Soluble	Analysis	300.0		1			116875	08/18/25 10:52	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
Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8631-1 SDG: Eddy 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	

3

4

5

7

Q

10

12

13

# **Method Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8631-1 SDG: Eddy County, NM

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

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

# **Sample Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8631-1

SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8631-1	CS - 1	Solid	08/15/25 13:00	08/15/25 14:51	1

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**Eurofins Carlsbad** 

8A
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1089 N Canal St.	•	Chain of Custody Record	of Cus	todv R	PCO	3						X	M						6	19	ro	eurofins	S						
Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199				200	6	•						Į,	8										1000	En	Environment Testing	ппе	nt Tu	estir	3
Client Information (Sub Contract Lab)	Sampler: N/A			Lab PM: Teel, B	Lab PM: Teel, Brianna	ಪ		- 1				Cam	Carrier Tracking No(s): N/A	ackin	g No	s)		_ 1	ထ ဂ	COC No:	COC No: 890-5673.1	-	- 1						
	Phone: N/A			E-Mail: Brian	E-Mail: Brianna. Teel@et.eurofinsus.com	el@et	euro	finsui	s.com	_		N Sta	State of Origin: New Mexico	ongin:					D D	Page: Page	Page: Page 1 of 1								
Company Eurofins Environment Testing South Centr					Accreditations Required (See note): NELAP - Texas	ations P - Te	Requir	ed (Se	e note	Ÿ		ŀ							ο <u>ς</u>	# 40L	Job #: 890-8631-1	4							
Address: 1211 W. Florida Ave,	Due Date Requested: 8/18/2025	ed:			_				Analy	lysis	Re	Requested	ste	٦					. 7	rese	rvati	Preservation Codes:	òde	S.					$\perp$
City: Midland	TAT Requested (days):	ays): N/A					_	_	$\dashv$	<b>⊣</b> \$	$\dashv$	$\dashv$	-	٦'	$\dashv$	$\dashv$	$\dashv$	1000	EE,										
State, Zip. TX, 79701					を行					_								- 19.74	22.										
Phone: 432-704-5440(TeI)	PO #				)	3015		•										REC.	L To										
Email:	WO#				_	TPH		_		JIEA			_		_	_		in a											
Project Name: FADEAWAY RIDGE COMPRESSOR STATION	Project #:					S_Pre	0		_	Total				_				1	iners										
Site:	SSOW#					NM_	Cal	-		100)	_			_	_	_	-		PLANE	Other:									
NA	N/A					M/8015	alc801		-	GCV(II									7 1 1 1 1	NA	-								$\perp$
Sample Identification - Client ID (Lab ID)	Sample Date	Sample	Sample Type (C=comp, G=grab)	Matrix (w=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtere Perform MS	8015MOD_N	8015MOD_Ca	300_ORGFM_	8021B/5035F	TOTAL_BTEX_								Total Numbe	TOTAL NUMBE		Spe	Special Instructions/Note:	inst	fruc	tion	S Z	e.		
	V	X	oi l	ion Code:		- 4						-	7						4		1	V	V		1	$ \mathbf{M} $			13
CS - 1 (890-8631-1)	8/15/25	Mountain	G	Solid		×	×	×	×	×				_					_										
																			AND DECEMBER										
																	-	Section 1985											
								-	-							-		25. 116.											
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.	ment Testing South Cents ed above for analysis/fests n Central, LLC attention in	al, LLC places t Imatrix being an Imediately. If al	the ownership on the sailyzed, the sailyzed, the sail requested acc	of method, anal mples must be creditations are	yte & acc shipped current t	credital back to to date	ion co the E	mplian urofins	ce upo Enviro	n our : onmen Chain o	ubcor t Testi	itract I	abora uth Ce	tories entral, g to s	This LLC aid cc	sam abora mplia	ple st nce t	ipme or oth	nt is er ins	forwa tructi Envir	ons v	unde vill be	r cha prov	ided.	Any Any	ody. char	If the	. 4	
Possible Hazard Identification Unconfirmed					Sar	Sample Disposal ( A fee	nple Disposal ( A fo	To C	A fe	e ma	may be assessed if samples are retained longer than 1 month)    Disposal By Lah	assessed if san	ssec	Byl	amp	les	□ē	etai	ned	tained long	ger	than	11 n	Z S	5	ñ			
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	able Rank: 2			Spe	Special Instructions/QC R	nstru	ctions	QC	Requ	equirements	ents:		· ·		- 1					ľ			,	W.C.	1			
Empty Kit Relinquished by:		Date:			Time:			$\backslash I$	IJ				Me	Method of Shipment	Ship	ment		- 1	- 1	-1	- 1								
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Custody Seals Intact: Custody Seal No.:  Δ Yes Δ No						Coole	Cooler Temperature(s) °C and Other Remarks:	eratur	e(s) °C	and C	ther R	emarl	(s)	W		+	10		N	1	1				H	10	-6		
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# **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8631-1

SDG Number: Eddy County, NM

List Source: Eurofins Carlsbad

Login Number: 8631 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	

# **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8631-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

List Creation: 08/17/25 05:29 PM

Login Number: 8631 List Number: 2

Creator: Laing, Edmundo

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

**Eurofins Carlsbad** 

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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 8/18/2025 1:48:14 PM

# **JOB DESCRIPTION**

Fadeway Ridge Compressor Station Eddy County, NM

# **JOB NUMBER**

890-8632-1

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 8/18/2025 1:48:14 PM

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

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

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Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Laboratory Job ID: 890-8632-1 SDG: Eddy County, NM

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**Qualifiers** 

Job ID: 890-8632-1

SDG: Eddy County, NM

# **Definitions/Glossary**

Client: Earth Systems Response and Restoration
Project/Site: Fadeway Ridge Compressor Station

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Qualification	
GC VOA	
Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
GC Semi VOA	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
	indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 890-8632-1

#### **Case Narrative**

Client: Earth Systems Response and Restoration

Project: Fadeway Ridge Compressor Station

**Eurofins Carlsbad** Job ID: 890-8632-1

#### Job Narrative 890-8632-1

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 sample was received on 8/15/2025 2:53 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-116580 and analytical batch 880-116862 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-1 (890-8632-1). 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**

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

#### HPLC/IC

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

# **Client Sample Results**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8632-1

SDG: Eddy County, NM

Lab Sample ID: 890-8632-1

Sample	ID.	090-0032-1
		Matrix: Solid

Date Received: 08/15/25 14:53 Sample Depth: 0-1

**Client Sample ID: SW-1** Date Collected: 08/15/25 13:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/16/25 17:00	08/17/25 04:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/16/25 17:00	08/17/25 04:47	1
Ethylbenzene	0.00224		0.00200		mg/Kg		08/16/25 17:00	08/17/25 04:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/16/25 17:00	08/17/25 04:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/16/25 17:00	08/17/25 04:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/16/25 17:00	08/17/25 04:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130				08/16/25 17:00	08/17/25 04:47	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/16/25 17:00	08/17/25 04:47	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/17/25 04:47	1
	•		•						
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed 08/18/25 12:32	Dil Fac
Analyte Total TPH	Result   <49.9	Qualifier U	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared	<b>Analyzed</b> 08/18/25 12:32	
Analyte Total TPH	Result <49.9 sel Range Orga	Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	Result <49.9  sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 49.9	MDL	mg/Kg	<u>D</u>	Prepared Prepared		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)		mg/Kg		<u> </u>	08/18/25 12:32	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	Qualifier U  nics (DRO) Qualifier U	(GC)		mg/Kg		Prepared	08/18/25 12:32 Analyzed	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  sel Range Orga Result <49.9	Qualifier U  nics (DRO) Qualifier U	(GC) RL 49.9		mg/Kg  Unit mg/Kg		Prepared 08/17/25 17:35	08/18/25 12:32  Analyzed  08/18/25 12:32	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result   <49.9	Qualifier U  nics (DRO) Qualifier U  U	RL 49.9  (GC) RL 49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35	08/18/25 12:32  Analyzed  08/18/25 12:32  08/18/25 12:32	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 49.9  (GC) RL 49.9  49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35	08/18/25 12:32  Analyzed 08/18/25 12:32 08/18/25 12:32 08/18/25 12:32	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	Qualifier U  nics (DRO) Qualifier U  U	RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35 Prepared	08/18/25 12:32  Analyzed  08/18/25 12:32  08/18/25 12:32  08/18/25 12:32  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl  Method: EPA 300.0 - Anions, Ion	Result   <49.9	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35  Prepared 08/17/25 17:35	08/18/25 12:32  Analyzed 08/18/25 12:32  08/18/25 12:32  08/18/25 12:32  Analyzed 08/18/25 12:32	
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result   <49.9	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg mg/Kg mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35  Prepared 08/17/25 17:35	08/18/25 12:32  Analyzed 08/18/25 12:32  08/18/25 12:32  08/18/25 12:32  Analyzed 08/18/25 12:32	Dil Fac

# **Surrogate Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8632-1

SDG: Eddy 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)	
890-8632-1	SW-1	159 S1+	112	
LCS 880-116580/1-A	Lab Control Sample	96	78	
LCSD 880-116580/2-A	Lab Control Sample Dup	99	79	
MB 880-116580/5-A	Method Blank	216 S1+	117	
Surrogate Legend				

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

Lab Sample ID Client Sample ID (70-		
Lab Sample ID Client Sample ID (70-		
cp.c.:-	130) (70-130)	)
890-8632-1 SW-1 7	4 73	
LCS 880-116866/2-A Lab Control Sample 7-	4 82	
LCSD 880-116866/3-A Lab Control Sample Dup 9	3 81	
MB 880-116866/1-A Method Blank 7	9 81	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8632-1 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-116580/5-A

Lab Sample ID: LCS 880-116580/1-A

Lab Sample ID: LCSD 880-116580/2-A

**Matrix: Solid** 

Matrix: Solid

**Matrix: Solid** 

Analysis Batch: 116862

Analysis Batch: 116862

Analysis Batch: 116862

Client Sample ID: Method Blank

**Prep Batch: 116580** 

Prep Type: Total/NA

	MD	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:15	08/16/25 20:20	
Toluene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:15	08/16/25 20:20	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:15	08/16/25 20:20	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/13/25 09:15	08/16/25 20:20	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/13/25 09:15	08/16/25 20:20	•
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/13/25 09:15	08/16/25 20:20	,
	40	440							

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	216	S1+	70 - 130	08/13/25 09:15	08/16/25 20:20	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/13/25 09:15	08/16/25 20:20	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

**Prep Batch: 116580** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08615	-	mg/Kg		86	70 - 130	
Toluene	0.100	0.07130		mg/Kg		71	70 - 130	
Ethylbenzene	0.100	0.08164		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	0.200	0.1912		mg/Kg		96	70 - 130	
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130	
I and the second								

LCS LCS

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	78	70 - 130

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA **Prep Batch: 116580** 

Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.08534		mg/Kg		85	70 - 130	1	35
0.100	0.07901		mg/Kg		79	70 - 130	10	35
0.100	0.07547		mg/Kg		75	70 - 130	8	35
0.200	0.1778		mg/Kg		89	70 - 130	7	35
0.100	0.1063		mg/Kg		106	70 - 130	2	35
	Added 0.100 0.100 0.100 0.200	Added         Result           0.100         0.08534           0.100         0.07901           0.100         0.07547           0.200         0.1778	Added         Result         Qualifier           0.100         0.08534           0.100         0.07901           0.100         0.07547           0.200         0.1778	Added         Result         Qualifier         Unit           0.100         0.08534         mg/Kg           0.100         0.07901         mg/Kg           0.100         0.07547         mg/Kg           0.200         0.1778         mg/Kg	Added         Result         Qualifier         Unit         D           0.100         0.08534         mg/Kg           0.100         0.07901         mg/Kg           0.100         0.07547         mg/Kg           0.200         0.1778         mg/Kg	Added         Result         Qualifier         Unit         D         %Rec           0.100         0.08534         mg/Kg         85           0.100         0.07901         mg/Kg         79           0.100         0.07547         mg/Kg         75           0.200         0.1778         mg/Kg         89	Added         Result         Qualifier         Unit         D         %Rec         Limits           0.100         0.08534         mg/Kg         85         70 - 130           0.100         0.07901         mg/Kg         79         70 - 130           0.100         0.07547         mg/Kg         75         70 - 130           0.200         0.1778         mg/Kg         89         70 - 130	Added         Result         Qualifier         Unit         D         %Rec         Limits         RPD           0.100         0.08534         mg/Kg         85         70 - 130         1           0.100         0.07901         mg/Kg         79         70 - 130         10           0.100         0.07547         mg/Kg         75         70 - 130         8           0.200         0.1778         mg/Kg         89         70 - 130         7

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8632-1 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-116866/1-A

Lab Sample ID: LCS 880-116866/2-A

Analysis Batch: 116927

**Matrix: Solid** 

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

**Prep Batch: 116866** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
	MB	MD							
	IVID	MB							

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79	70 - 130	08/17/25 17:35	08/18/25 09:20	1
o-Terphenyl	81	70 - 130	08/17/25 17:35	08/18/25 09:20	1

**Client Sample ID: Lab Control Sample** 

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 116927 **Prep Batch: 116866** 

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits 1000 1077 108 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 1059 mg/Kg 106 70 - 130

C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 74 70 - 130 o-Terphenyl 82 70 - 130

Lab Sample ID: LCSD 880-116866/3-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

**Matrix: Solid** 

Analysis Batch: 116927

**Prep Batch: 116866** LCSD LCSD Spike %Rec RPD Analyte Added Result Qualifier RPD Limit Unit %Rec Limits Gasoline Range Organics 1000 1101 mg/Kg 110 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1012 mg/Kg 101 70 - 130 5 20

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	93	70 - 130
o-Terphenyl	81	70 - 130

### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116836/1-A Client Sample ID: Method Blank

**Matrix: Solid Analysis Batch: 116875** 

-	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/18/25 08:58	1

**Eurofins Carlsbad** 

**Prep Type: Soluble** 

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8632-1

SDG: Eddy County, NM

**Prep Type: Soluble** 

**Prep Type: Soluble** 

Client Sample ID: Lab Control Sample

**Client Sample ID: Lab Control Sample Dup** 

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-116836/2-A

**Matrix: Solid** 

Analysis Batch: 116875

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	238.8		mg/Kg		96	90 - 110	

Lab Sample ID: LCSD 880-116836/3-A

**Matrix: Solid** 

**Analysis Batch: 116875** 

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	238.7		mg/Kg		95	90 - 110	0	20

# **QC Association Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8632-1 SDG: Eddy County, NM

## **GC VOA**

## **Prep Batch: 116580**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8632-1	SW-1	Total/NA	Solid	5035	
MB 880-116580/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116580/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116580/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

#### Analysis Batch: 116862

<b>Lab Sample ID</b> 890-8632-1	Client Sample ID SW-1	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 116580
MB 880-116580/5-A	Method Blank	Total/NA	Solid	8021B	116580
LCS 880-116580/1-A	Lab Control Sample	Total/NA	Solid	8021B	116580
LCSD 880-116580/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116580

#### Analysis Batch: 116952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8632-1	SW-1	Total/NA	Solid	Total BTEX	

#### **GC Semi VOA**

## **Prep Batch: 116866**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8632-1	SW-1	Total/NA	Solid	8015NM Prep	
MB 880-116866/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116866/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 116927

Lab Sample ID 890-8632-1	Client Sample ID SW-1	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 116866
MB 880-116866/1-A	Method Blank	Total/NA	Solid	8015B NM	116866
LCS 880-116866/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116866
LCSD 880-116866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116866

#### Analysis Batch: 116970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8632-1	SW-1	Total/NA	Solid	8015 NM	

## HPLC/IC

# Leach Batch: 116836

Lab Sam	ple ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8632	!-1	SW-1	Soluble	Solid	DI Leach	
MB 880-1	116836/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-	-116836/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 88	0-116836/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

#### **Analysis Batch: 116875**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8632-1	SW-1	Soluble	Solid	300.0	116836
MB 880-116836/1-A	Method Blank	Soluble	Solid	300.0	116836
LCS 880-116836/2-A	Lab Control Sample	Soluble	Solid	300.0	116836
LCSD 880-116836/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116836

### Lab Chronicle

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8632-1 SDG: Eddy County, NM

Lab Sample ID: 890-8632-1

Matrix: Solid

Client Sample ID: SW-1

Date Collected: 08/15/25 13:05 Date Received: 08/15/25 14:53

	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	116580	08/16/25 17:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116862	08/17/25 04:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116952	08/17/25 04:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			116970	08/18/25 12:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	116866	08/17/25 17:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116927	08/18/25 12:32	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	116836	08/16/25 10:34	SMC	EET MID
Soluble	Analysis	300.0		1			116875	08/18/25 10:57	SMC	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 Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8632-1 SDG: Eddy 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: Fadeway Ridge Compressor Station

Job ID: 890-8632-1 SDG: Eddy County, NM

М

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

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# **Sample Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8632-1

SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8632-1	SW-1	Solid	08/15/25 13:05	08/15/25 14:53	0-1

13 14

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220

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Chain of Custody Record

eurofins:

Environment Testing

Phone: 5/5-988-3199 Fax: 5/5-988-3199										1	ŀ	F						
Client Information (Sub Contract Lab)	Sampler: N/A			Lab PM: Teel, B	Lab PM: Teel, Brianna						Carrier Tracking No(s) N/A	Tracki	ng No	s			တ္တ လွ	COC No: 890-5674 1
	Phone: N/A			E-Mail: Briant	E-Mail: Brianna.Teel@et.eurofinsus.com	et.eur	ofinsus	s.com			State of Origin: New Mexico	f Origin	ا ہ				Pag	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr					Accreditations Required (See note): NELAP - Texas	ns Requ	ired (Se	e note)									890- #	Job #: 890-8632-1
Address: 1211 W. Florida Ave,	Due Date Requested: 8/18/2025	ed:						Analy	ysis	Requested	uest	옵					· Pre	Preservation Codes:
City: Midland	TAT Requested (days):	ays): N/A						-	$\dashv$		_	$\dashv$	$\dashv$	$\dashv$	$\dashv$			
State, Zip: TX, 79701														_	_	7,187		
Phone: 432-704-5440(Tel)	N/A						•									17-103		
Email: N/A	N/A #				lo)							-	_		-	1000		
Project Name:	Project #		í		or N			-				-		_		iner		
ladeaway ridge compressor station	88002337				Yes	-	-	-								nta		
N/A	N/A				SD (				-			_		_	-	of co	N O	Other: N/A
Complete Class III (1st II)		Sample	Sample Type (C=comp,		leid Filtered erform MS/M 015MOD_NM/8	015MOD_Calc	00_ORGFM_28	021B/5035FP_0 otal_BTEX_GC								otal Number		
	X	X		7 10	X								1426	174		X		
SW-1 (890-8632-1)	8/15/25	13:05 Mountain	G	Solid	×	×	×	×						$\vdash$		_		
								+	$\forall$		$\perp \perp$	$\vdash$	13	+-	+		1000000	
								+			_	_	-	-	+	J. 15	-	
												-					THE PERSON NAMED IN	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody, if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.	ment Testing South Centr d above for analysis/tests Central, LLC attention in	al, LLC places to Imatrix being ar Imediately. If a	the ownership on alyzed, the san	f method, analy uples must be a reditations are	te & accred shipped bac current to d	litation c k to the ate, retu	ompliar Eurofine m the s	ice upoi Enviro igned C	n our su nment hain of	bcontra Testing Custoo	oct labo South y attes	ratorie Centra ting to	s. Thi	s samı labora omplia	ple sh itory o	pmen r othe Euro	t is fo r instr fins E	our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the ment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to ain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.
Possible Hazard Identification Unconfirmed					Samp	Sample Disposal ( A fee	To C	(A fee		be a	assessed if san Disposal Bv Lab	ed if	samı	des		Arc	ed/	may be assessed if samples are retained longer than 1 month)  Disposal By Lab  Archive For  Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	able Rank: 2			Special Instructions/QC Requirements	l Instri	uction	/QC	Requir	emen	is:					-	- 1	
Empty Kit Relinquished by:		Date:			Time:						_	Method of Shipment:	of Shi	pment				
Reinquished by	Date/Time:	_	\$3C	Company	Re Re	Received by:		W	17				D D	Date/Time:	-Ā. Ē			Company
Relinquished by:	Date/Time:		0	Company	R <sub>Q</sub>	Received by:	× (	'	1	*	1	V	2 4	Date/Time:	9	~		Company
Custody Seals Intact: Custody Seal No.:	in the second	P			Ç	Cooler Temperature(s) °C and Other Remarks:	peratu	e(s) °C	and Ot	her Rei	narks:	1	,	-	IN	1,	$\sim$	-1 IR8
															1		1	Ver: 10/10/2024

## **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8632-1

SDG Number: Eddy County, NM

List Source: Eurofins Carlsbad

Login Number: 8632 List Number: 1

Creator: Lopez, Abraham

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

Released to Imaging: 12/2/2025 3:25:10 PM

## **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8632-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

List Creation: 08/17/25 05:29 PM

Login Number: 8632 List Number: 2

Creator: Laing, Edmundo

Over45	<b>A</b>	0
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 <6mm (1/4").	N/A	

Released to Imaging: 12/2/2025 3:25:10 PM

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 8/18/2025 1:48:42 PM

# **JOB DESCRIPTION**

Fadeway Ridge Compressor Station Eddy County, NM

# **JOB NUMBER**

890-8633-1

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 8/18/2025 1:48:42 PM

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

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

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Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Laboratory Job ID: 890-8633-1 SDG: Eddy County, NM

# **Table of Contents**

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### **Definitions/Glossary**

Job ID: 890-8633-1 Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station SDG: Eddy County, NM

**Qualifiers** 

**GC VOA** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

**HPLC/IC** 

Qualifier **Qualifier Description** 

U Indicates the analyte was analyzed for but not detected.

**Glossary** 

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

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

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

**PQL** Practical Quantitation Limit **PRES** 

Presumptive QC **Quality Control** 

**RER** Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

**TNTC** Too Numerous To Count

**Eurofins Carlsbad** 

Job ID: 890-8633-1

#### **Case Narrative**

Client: Earth Systems Response and Restoration

Project: Fadeway Ridge Compressor Station

Job ID: 890-8633-1 Eurofins Carlsbad

#### Job Narrative 890-8633-1

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 sample was received on 8/15/2025 2:51 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°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**

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-2 Date Collected: 08/15/25 13:10

Date Received: 08/15/25 14:51

Sample Depth: 0-1

# **Client Sample Results**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8633-1

SDG: Eddy County, NM

Lab Sample ID: 890-8633-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/18/25 07:54	08/18/25 11:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/18/25 07:54	08/18/25 11:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/18/25 07:54	08/18/25 11:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/18/25 07:54	08/18/25 11:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/18/25 07:54	08/18/25 11:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/18/25 07:54	08/18/25 11:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/18/25 07:54	08/18/25 11:58	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/18/25 07:54	08/18/25 11:58	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/18/25 11:58	1
•	al Danna Onnan	ine (DDO) (	00)						
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/18/25 12:51	Dil Fac
: Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared		Dil Fac
: Method: SW846 8015 NM - Diese Analyte		Qualifier U	<b>RL</b> 50.0	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	Result  <50.0 sel Range Orga	Qualifier U	<b>RL</b> 50.0	MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	Result  <50.0 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg		· ·	08/18/25 12:51	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga	Qualifier U  nics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	08/18/25 12:51  Analyzed	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0  sel Range Orga Result <50.0	Qualifier U  nics (DRO) Qualifier U	RL   50.0		mg/Kg  Unit mg/Kg		Prepared 08/17/25 17:35	08/18/25 12:51  Analyzed  08/18/25 12:51	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35	08/18/25 12:51  Analyzed  08/18/25 12:51  08/18/25 12:51	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U	RL 50.0  (GC)  RL 50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35	08/18/25 12:51  Analyzed  08/18/25 12:51  08/18/25 12:51  08/18/25 12:51	Dil Face 1 1 1 Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U	RL		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35 Prepared	08/18/25 12:51  Analyzed  08/18/25 12:51  08/18/25 12:51  08/18/25 12:51  Analyzed	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35  Prepared 08/17/25 17:35	08/18/25 12:51  Analyzed  08/18/25 12:51  08/18/25 12:51  08/18/25 12:51  Analyzed  08/18/25 12:51	Dil Fac
Method: SW846 8015 NM - Dieso Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/17/25 17:35 08/17/25 17:35 08/17/25 17:35  Prepared 08/17/25 17:35	08/18/25 12:51  Analyzed  08/18/25 12:51  08/18/25 12:51  08/18/25 12:51  Analyzed  08/18/25 12:51	

# **Surrogate Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8633-1 SDG: Eddy 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)
890-8633-1	SW-2	121	85
LCS 880-116868/1-A	Lab Control Sample	110	93
LCSD 880-116868/2-A	Lab Control Sample Dup	119	90
MB 880-116868/5-A	Method Blank	106	83
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

	1001	OTPH1							
nt Sample ID	(70-130)	(70-130)							
2	73	72							
Control Sample	74	82							
Control Sample Dup	93	81							
od Blank	79	81							
	2 Control Sample Control Sample Dup nod Blank	Control Sample 74 Control Sample Dup 93	Control Sample         74         82           Control Sample Dup         93         81	Control Sample         74         82           Control Sample Dup         93         81	Control Sample         74         82           Control Sample Dup         93         81	Control Sample 74 82 Control Sample Dup 93 81	Control Sample 74 82 Control Sample Dup 93 81	Control Sample 74 82 Control Sample Dup 93 81	Control Sample         74         82           Control Sample Dup         93         81

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

**Eurofins Carlsbad** 

## **QC Sample Results**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8633-1

SDG: Eddy County, NM

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

Lab Sample ID: MB 880-116868/5-A

Lab Sample ID: LCS 880-116868/1-A

**Matrix: Solid** 

Analysis Batch: 116870

Client Sample ID: Method Blank

**Prep Type: Total/NA** 

**Prep Batch: 116868** 

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 11:16	1
<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 11:16	1
<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 11:16	1
<0.00400	U	0.00400		mg/Kg		08/18/25 07:54	08/18/25 11:16	1
<0.00200	U	0.00200		mg/Kg		08/18/25 07:54	08/18/25 11:16	1
<0.00400	U	0.00400		mg/Kg		08/18/25 07:54	08/18/25 11:16	1
	Result <0.00200 <0.00200 <0.00200 <0.00400 <0.00200	MB   MB   Qualifier	Result         Qualifier         RL           <0.00200	Result         Qualifier         RL         MDL           <0.00200	Result         Qualifier         RL         MDL         Unit           <0.00200	Result         Qualifier         RL         MDL         Unit         D           <0.00200	Result         Qualifier         RL         MDL         Unit         D         Prepared           <0.00200	Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           <0.00200

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106	70 - 130	08/18/25 07:54	08/18/25 11:16	1
1,4-Difluorobenzene (Surr)	83	70 - 130	08/18/25 07:54	08/18/25 11:16	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

**Prep Batch: 116868** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1082		mg/Kg		108	70 - 130	
Toluene	0.100	0.1043		mg/Kg		104	70 - 130	
Ethylbenzene	0.100	0.1187		mg/Kg		119	70 - 130	
m-Xylene & p-Xylene	0.200	0.2346		mg/Kg		117	70 - 130	
o-Xylene	0.100	0.1154		mg/Kg		115	70 - 130	
I and the second								

LCS LCS

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-116868/2-A

**Matrix: Solid** 

Matrix: Solid

Analysis Batch: 116870

Analysis Batch: 116870

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA **Prep Batch: 116868** 

	Spike	LCSD LCS	SD .			%Rec		RPD
Analyte	Added	Result Qua	lifier Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1062	mg/Kg		106	70 - 130	2	35
Toluene	0.100	0.1018	mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.1157	mg/Kg		116	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2281	mg/Kg		114	70 - 130	3	35
o-Xylene	0.100	0.1125	mg/Kg		112	70 - 130	3	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1.4-Difluorobenzene (Surr)	90		70 - 130

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Released to Imaging: 12/2/2025 3:25:10 PM

## QC Sample Results

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8633-1

SDG: Eddy County, NM

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

Lab Sample ID: MB 880-116866/1-A

Lab Sample ID: LCS 880-116866/2-A

**Matrix: Solid** 

**Matrix: Solid** 

Analysis Batch: 116927

Analysis Batch: 116927

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 116866** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/17/25 17:35	08/18/25 09:20	1
	MB	MB							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	08/17/25 17:35	08/18/25 09:20	1
o-Terphenyl	81		70 - 130	08/17/25 17:35	08/18/25 09:20	1

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Batch: 116866** 

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 1077 108 70 - 130 mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 1059 mg/Kg 106 70 - 130C10-C28)

LCS LCS

Surrogate	%Recovery Qualit	ier Limits
1-Chlorooctane	74	70 - 130
o-Terphenyl	82	70 - 130

Lab Sample ID: LCSD 880-116866/3-A

**Matrix: Solid** Analysis Batch: 116927 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

**Prep Batch: 116866** 

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1101		mg/Kg		110	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1012		mg/Kg		101	70 - 130	5	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	93	70 - 130
o-Terphenyl	81	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-116836/1-A

**Matrix: Solid** 

Analysis Batch: 116875

Client Sample ID: Method Blank

**Prep Type: Soluble** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/18/25 08:58	1

**Eurofins Carlsbad** 

# **QC Sample Results**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8633-1

SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-116836/2-A

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

**Matrix: Solid** 

Analysis Batch: 116875

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	238.8		mg/Kg		96	90 - 110	

Lab Sample ID: LCSD 880-116836/3-A

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

**Matrix: Solid** 

**Analysis Batch: 116875** 

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	238.7		mg/Kg		95	90 - 110	0	20	

# **QC Association Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8633-1 SDG: Eddy County, NM

#### **GC VOA**

#### **Prep Batch: 116868**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8633-1	SW-2	Total/NA	Solid	5035	
MB 880-116868/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-116868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-116868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

#### Analysis Batch: 116870

<b>Lab Sample ID</b> 890-8633-1	Client Sample ID SW-2	Prep Type Total/NA	Solid	Method 8021B	Prep Batch 116868
MB 880-116868/5-A	Method Blank	Total/NA	Solid	8021B	116868
LCS 880-116868/1-A	Lab Control Sample	Total/NA	Solid	8021B	116868
LCSD 880-116868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	116868

#### Analysis Batch: 116974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8633-1	SW-2	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

## **Prep Batch: 116866**

<b>Lab Sample ID</b> 890-8633-1	Client Sample ID SW-2	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-116866/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-116866/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-116866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 116927

<b>Lab Sample ID</b> 890-8633-1	Client Sample ID SW-2	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 116866
MB 880-116866/1-A	Method Blank	Total/NA	Solid	8015B NM	116866
LCS 880-116866/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	116866
LCSD 880-116866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	116866

#### Analysis Batch: 116971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8633-1	SW-2	Total/NA	Solid	8015 NM	

#### HPLC/IC

### Leach Batch: 116836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8633-1	SW-2	Soluble	Solid	DI Leach	
MB 880-116836/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-116836/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-116836/3-	A Lab Control Sample Dup	Soluble	Solid	DI Leach	

#### **Analysis Batch: 116875**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8633-1	SW-2	Soluble	Solid	300.0	116836
MB 880-116836/1-A	Method Blank	Soluble	Solid	300.0	116836
LCS 880-116836/2-A	Lab Control Sample	Soluble	Solid	300.0	116836
LCSD 880-116836/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	116836

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**Client Sample ID: SW-2** Date Collected: 08/15/25 13:10 Date Received: 08/15/25 14:51

#### **Lab Chronicle**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8633-1 SDG: Eddy County, NM

Lab	Sample	ID:	890-8633-1
			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	116868	08/18/25 07:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	116870	08/18/25 11:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			116974	08/18/25 11:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			116971	08/18/25 12:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	116866	08/17/25 17:35	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	116927	08/18/25 12:51	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	116836	08/16/25 10:34	SMC	EET MID
Soluble	Analysis	300.0		1			116875	08/18/25 11:14	SMC	EET MID

#### **Laboratory References:**

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

**Eurofins Carlsbad** 

# **Accreditation/Certification Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8633-1 SDG: Eddy County, NM

## **Laboratory: Eurofins Midland**

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-26
,	are included in this report, but oes not offer certification.	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	

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# **Method Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station

Job ID: 890-8633-1 SDG: Eddy County, NM

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

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

**Eurofins Carlsbad** 

# **Sample Summary**

Client: Earth Systems Response and Restoration Project/Site: Fadeway Ridge Compressor Station Job ID: 890-8633-1

SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8633-1	SW-2	Solid	08/15/25 13:10	08/15/25 14:51	0-1

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**Environment Testing** 

Chain of Custody

Midland, TX (432) 704-5440 EL Paso, TX (915) 585-34 Hobbs, NM (575) 392-759 Houston, TX (281) 240-4

200, Dallas, TX (214) 902-0300 ), San Antonio, TX (210) 509-3334		
143, Lubbock, TX (806) 794-1296 50, Carlsbad, NM (575) 988-3199	890-8633 Chain of Custody	
	Work Order Comments	
Systems R&R	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
	State of Project:	
	Reporting: Level II  Level III  PST/UST TRRP Level IV	
	Deliverables: EDD ADaPT COther:	

Date/Time	Relinquished by: (Signature) Received by: (Signature) Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)		Relinquished by: (Signature)
	iless previously negotiated.	of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$6 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	le submitted to Eurofins Xenco, l	roject and a charge of \$5 for each samp	harge of \$85.00 will be applied to each p	of Eurofins Xenco. A minimum c
	d terms and conditions inces beyond the control	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 Furnifins 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	any losses or expenses incurred	itutes a valid purchase order from client shall not assume anv responsibility for	nt and relinquishment of samples const e liable only for the cost of samples and	Notice: Signature of this docume
70 / 7471	Hg: 1631 / 245.1 / 7470 / 7471				tal(s) to be analyzed	Circle Method(s) and Metal(s) to be analyzed
J V Zn	Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn	d Ca Cr Co Cu Fe Pb Mg Mn M	Al Sb As Ba Be B Co	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu	200.8 / 6020:	Total 200.7 / 6010 200.8 / 6020:

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Zn Acetate+NaOH: Zn Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NaSO<sub>3</sub> NaHSO<sub>4</sub>: NABIS

NaOH+Ascorbic Acid: SAPC

Sample Comments

nAPP2516830043 Incident Number SAMPLE RECEIPT

Temp Blank:

Yes No

Wet Ice:

Yes) No

**Parameters** 

anco

amples Received Intact:

Yes

Correction Factor Thermometer ID:

Yes No

N/A

Temperature Reading:

Corrected Temperature:

Sampler's Name: roject Location: Project Number: Project Name:

CAVO #:

Sample Custody Seals:

Sample Identification

Matrix

Sampled

Sampled

Time

Depth (feet)

# of

Cont

TPH -NM

Chloride-NM

BTEX-NM

24 Hr Rush

Hold

SW-2

S

8.15.25

13:10

7

Comp Comp Grab/ Phone:

832-541-7719 Carlsbad, NM, 88220 1910 Resource Ct

Email: gmoreno@earthsys.net

City, State ZIP:

Company Name: Bill to: (if different)

Earth

Turn Around

☑ Rush

Code

ANALYSIS REQUEST

Cool: Cool H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub>

MeOH: Me NaOH: Na

H3PO4: HP

None: NO

DI Water: H<sub>2</sub>0

Preservative Codes

Fadeaway Ridge Compressor Station

640

Eddy County, NM

Due Date: Routine

24hr Rush TAT

Santiago Giron

TAT starts the day received by the lab, if received by 4:30pm

City, State ZIP:

ddress:

Project Manager:

Company Name:

Earth Systems R&R Gilbert Moreno

Revised Date: 08/25/2020 Rev. 2020.

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199	Ch	Chain of Custody Record	tody Rec	ord				<b>65.8</b> 8							💸 eurofins     Environment Testing	ent Testing
Client Information (Sub Contract Lab)	Sampler: N/A		Lab PM: Teel, Brianna	anna				<u>ς</u> Ω	Carrier Tracking No(s): N/A	cking N	(s)			8 C	COC No: 890-5675.1	
/Receiving	Phone: N/A		E-Mail: Brianna.	E-Mail: Brianna.Teel@et.eurofinsus.com	eurofins	us.com		N St	State of Origin: New Mexico	Gio gin				Page:	Page: Page 1 of 1	
Company: Eurofins Environment Testing South Centr			Acc NE	Accreditations Required (See note): NELAP - Texas	Required (	See note)	- 27							Job #	Job #: 890-8633-1	
Address: 1211 W. Florida Ave,	Due Date Requested: 8/18/2025					Analy	Sis	Requested	sted					· 2	Preservation Codes:	
City Midland	TAT Requested (days):	N/A				$\exists$		-	$\exists$		_	$\dashv$	916			
State, Zip: TX, 79701													7.60			
Phone: 432-704-5440(Tel)	PO #		)	3015	•											
Email: N/A	WO#		or No		hlorid								1510			
Project Name: fadeaway ridge compressor station	Project #: 88002337		(Yes	S_Pre									ainer			
Site:	SSOW#:		sampl	15NM								_	of con	Other:	err	
Sample Identification - Client ID (Lab ID)	Sample Date T	Sample Type Sample (C=comp, Time G=grab)	Matrix (W=water, S=polid, S=polid, O=waste/oil, D= ST=Tissue, A=Air)	Perform MS/M 8015MOD_NM/8	8015MOD_Calc8 300_ORGFM_28	8021B/5035FP_0 Total_BTEX_GC							Total Number		Special Instructions/Note:	of:
		Preserva										1-1	X	1		
SW-2 (890-8633-1)	8/15/25 No.	13:10 G Mountain	Solid	×	×	×							4			
													Sattle Maral			
						-					+	++-	B 50 2 007			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC altertion immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.	ment Testing South Central, LL0 d above for analysis/tests/matri, Central, LLC attention immedia	C places the ownership x being analyzed, the sately. If all requested ac	of method, analyte & imples must be shipp coreditations are curr	accreditation bed back to ent to date,	on compli	ance upor ns Enviro signed C	1 our sub	contract ssting So	laborato urth Cen	ries T tral, LL	nis sam	atory o	pmen	is for	warded under chain-of-custody. uctions will be provided. Any cha	If the anges to
Possible Hazard Identification Unconfirmed				Sample Disposal ( A fee	le Disposal (A fi	I (A fee	may I	may be assessed if samples are retained longer	essed Focal F	if san	ples	arer	etain	ed /c	onger than 1 month)	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Rank: 2		Special Instructions/QC Re	structio	ns/QC F	Require	equirements:	ints:	100			3	Circura Circura	a Cr	
Empty Kit Relinquished by:	Date:	,,	Time:	ĕ					Meth	Method of Shipment:	ipmen		1			
Reinquénastay:	Date Time:	1630	Company	Received by:	ed by:				1		Date/Time:	ne:			Company	
Relinquished by	Date/Time:		Company	Received by	a b		0	F	1		Date/filme:	-	4		Company	
J	Date/Time:		Company	Received by:	ed by:			7			Date/Time:	+	ľ		Company	
Custody Seals Intact: Custody Seal No.:  ∆ Yes ∆ No		N.		Cooler	Cooler Temperature(s) °C and Other Remarks.	ure(s) °C	and Othe	er Remar	KS	N	,	-	3.3	2	TD	A

### **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8633-1

SDG Number: Eddy County, NM

List Source: Eurofins Carlsbad

Login Number: 8633 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	

**Eurofins Carlsbad** 

## **Login Sample Receipt Checklist**

Client: Earth Systems Response and Restoration

Job Number: 890-8633-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

List Creation: 08/17/25 05:29 PM

List Number: 2 Creator: Laing, Edmundo

Login Number: 8633

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

<6mm (1/4").

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

Phone: (505) 629-6116
Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS

Action 508015

#### **QUESTIONS**

ı	Operator:	OGRID:
ı	FRONTIER FIELD SERVICES, LLC	221115
ı	303 Veterans Airpark Lane	Action Number:
ı	Midland, TX 79705	508015
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2516830043
Incident Name	NAPP2516830043 FADEAWAY RIDGE COMPRESSOR STATION @ FAPP2123229442
Incident Type	Produced Water 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	Fadeaway Ridge Compressor Station
Date Release Discovered	06/17/2025
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: High Line Pressure   Gas Compressor Station   Produced Water   Released: 22 BBL   Recovered: 0 BBL   Lost: 22 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Cause: High Line Pressure   Gas Compressor Station   Condensate   Released: 22 BBL   Recovered: 0 BBL   Lost: 22 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 508015

QUESTI	IONS (continued)
Operator: FRONTIER FIELD SERVICES, LLC	OGRID: 221115
303 Veterans Airpark Lane Midland, TX 79705	Action Number: 508015
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation 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 evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate 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 require ases 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 it 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

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

Phone: (505) 629-6116
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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 3

Action 508015

**QUESTIONS** (continued)

 Operator:
 OGRID:

 FRONTIER FIELD SERVICES, LLC
 221115

 303 Veterans Airpark Lane
 Action Number:

 Midland, TX 79705
 508015

 Action Type:
 [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Damadiation Diam

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation	n plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vert	cal extents of contamination been fully delineated	Yes
Was this release entirely	contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 CI B)	216
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	2780
GRO+DRO	(EPA SW-846 Method 8015M)	2780
BTEX	(EPA SW-846 Method 8021B or 8260B)	69.5
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.		
which includes the anticipated		The state of the s
		08/15/2025
On what estimated date	timelines for beginning and completing the remediation.	
On what estimated date On what date will (or did)	timelines for beginning and completing the remediation.  will the remediation commence	08/15/2025
On what estimated date On what date will (or did) On what date will (or was	timelines for beginning and completing the remediation.  will the remediation commence  the final sampling or liner inspection occur	08/15/2025 08/15/2025
On what estimated date On what date will (or did) On what date will (or was What is the estimated su	will the remediation completing the remediation.  will the remediation commence  the final sampling or liner inspection occur  the remediation complete(d)	08/15/2025 08/15/2025 08/26/2025
On what estimated date On what date will (or did) On what date will (or was What is the estimated su What is the estimated vo	will the remediation commence the final sampling or liner inspection occur the final sampling or liner inspection occur the remediation complete(d) rface area (in square feet) that will be reclaimed	08/15/2025 08/15/2025 08/26/2025 200
On what estimated date On what date will (or did) On what date will (or was What is the estimated su What is the estimated so What is the estimated su	will the remediation commence the final sampling or liner inspection occur s) the remediation complete(d) rface area (in square feet) that will be reclaimed lume (in cubic yards) that will be reclaimed	08/15/2025 08/15/2025 08/26/2025 200 40

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 4

Action 508015

**QUESTIONS** (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	508015
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
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 I hereby agree and sign off to the above statement 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.

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 5

Action 508015

QUESTIONS (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	508015
	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

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 6

Action 508015

**QUESTIONS** (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	508015
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	493238
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/18/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	400

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	200	
What was the total volume (cubic yards) remediated	40	
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	200	
What was the total volume (in cubic yards) reclaimed	40	
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

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

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

QUESTIONS, Page 7

Action 508015

**QUESTIONS** (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	508015
	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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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 508015

#### **CONDITIONS**

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
303 Veterans Airpark Lane	Action Number:
Midland, TX 79705	508015
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By		Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	12/2/2025