



January 26, 2026

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

RE: **Todd 36 State #715H - Closure Request Report**  
Incident Number: nAPP2516155409  
GPS: 32.254164°, -103.738679°  
Eddy County, New Mexico  
ESRR Project No. VP-575

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Devon Energy (Devon), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling events associated with an inadvertent release of produced water and crude oil at the Todd 36 State #715H (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Devon is requesting No Further Action (NFA) at the Site.

### Site Location & Incident Description

The Site is located in Unit M, Section 36, Township 23 South, Range 31 East, in Eddy County, New Mexico (32.254164°, -103.738679°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1**).

On June 10, 2025, a stuffing box failed, causing the release of approximately 6 barrels (bbl) of produced water and 2 bbls of crude oil within the Devon operated production pad surface. A vacuum truck was immediately dispatched to the Site and recovered approximately 5 bbls of fluids. Devon gave notice to the New Mexico Oil Conservation Division (NMOCD) on June 10, 2025, by Notification of Release (NOR) and was subsequently assigned Incident Number nAPP2516155409. ESRR conducted initial site assessment activities and mapped the observed release footprint on June 11, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). A Corrective Action Form C-141 (Form C-141) was later submitted on June 18, 2025.

On September 7, 2025, Devon requested an extension of the September 8, 2025 deadline, to allow additional time for remediation activities and for ESRR to finalize this CRR. Devon was granted a 90-day extension by the NMOCD for December 8, 2025.

On December 8, 2025, Devon requested an additional extension of the December 8, 2025 deadline, to allow additional time to complete continued remediation and restoration activities and for ESRR to finalize this CRR. Devon was granted a 90-day extension by the NMOCD for February 6, 2026.

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## 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 ½ and 1 mile of any continuously flowing watercourse or any other significant watercourse;
- Between ½ and 1 mile 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;
- 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 ½ and 1 mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- Between ½ and 1 mile of an unstable area (non-karst); and
- Greater than 5 miles of a 100-year floodplain.

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

Based on the results from the desktop review and depth to groundwater estimated to be greater than 100 feet below ground surface (bgs), the following Closure Criteria was applied:

Constituents of Concern (COCs) .....	Closure Criteria <sup>‡</sup>
Chloride .....	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH) .....	2,500 mg/kg
TPH (DRO) + TPH (GRO) .....	1,000 mg/kg
Benzene .....	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) .....	50 mg/kg

<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 (GRO) + Diesel Range Organics (DRO) + Oil Range Organics (ORO)  
 Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

## Delineation Activities

During June of 2025, ESRR conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Fourteen delineation boreholes (HA-1 through HA-12, HA-7A and HA-8A) were advanced via hand auger within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips. A minimum of one soil sample was collected from each delineation borehole, representing the highest observed field screening concentrations and/or the greatest depth. Delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities are attached.

Laboratory analytical results for delineation soil samples (HA-7A, HA-8A, and HA-9 through HA-12) within and surrounding the AOC were compliant with Site Closure Criteria and the reclamation standard defining the horizontal periphery of the AOC.

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Laboratory analytical results for delineation soil samples collected within the AOC (HA-1 through HA-8) indicated either total TPH, TPH (DRO) + TPH (GRO), and/ or chloride was above the Site Closure Criteria and/or the reclamation standard. Elevated total TPH is characterized by a concentration of 180 mg/kg. Elevated TPH (DRO) + TPH (GRO) is characterized by a concentration of 1,700 mg/kg. Elevated chloride is characterized by concentrations ranging from 648 to 5,230 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

During December of 2025, Devon oversaw a third-party contractor perform excavation activities of identified soil impacts via mechanical equipment based on laboratory analytical results associated with delineation soil sampling activities and visual observation. The excavation was vertically advanced to an approximate depth of 2 feet bgs.

Following the removal of soil, ESRR collected five-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-31) and sidewalls (SW-1 through SW-5). The five-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-quart resealable plastic bag. The confirmation soil samples were handled, transported, and analyzed as previously described.

Laboratory analytical results for confirmation soil samples (CS-15 and CS-18) indicated chloride concentrations were below the Site Closure Criteria but above the reclamation standard. Elevated chloride is characterized by concentrations ranging from 632 to 967 mg/kg at 2 feet bgs.

Additional excavation in the proximities to confirmation soil samples (CS-15 and CS-18) were vertically advanced to an approximate depth of 3 feet bgs. Following the removal of soil, ESRR collected, handled, transported, and analyzed the confirmation soil samples as previously described.

Laboratory analytical results indicated that the concentration of COCs for all final confirmation soil samples were below 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. Photographic Documentation** of all activities are attached.

Approximately 736 cubic yards (CY) of impacted soil was removed from the Site and transported to Lea Land, LLC Landfill near Carlsbad, New Mexico under Devon approved manifests. Upon receipt of the final confirmation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. The final soil cover was contoured to match the Site's pre-existing grade to prevent ponding of water and erosion.

## Closure Request

Based on laboratory analytical results, impacts associated with the inadvertent release have been delineated, excavated, and removed from the Site in accordance with Site Closure Criteria and reclamation standard. Devon 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 Devon respectfully requests Closure of this CRR associated with Incident Number nAPP2516155409.

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

Sincerely,

**EARTH SYSTEMS RESPONSE & RESTORATION**

A handwritten signature in black ink that reads "Gilbert Moreno".

Gilbert Moreno  
Carlsbad Operations Manager/ Project Geologist

A handwritten signature in black ink that reads "Kris Williams".

Kris Williams, CHMM, REM  
Principal

cc: Jim Raley, Devon Energy  
Bureau of Land Management

Attachments:

- Figure 1 - Site Map
- Figure 1A - Groundwater
- Figure 1B - Karst Potential
- Figure 2 - Delineation Soil Sample Locations
- Figure 3 - Excavation Soil Sample Locations
- Referenced Well Record
- Photographic Documentation
- Table 1 - Soil Sample Analytical Results
- NMOCD Email Documentation & Correspondence
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports



**Figure 1 – Site Map**

Devon Energy Permian – Todd 36 State #715H  
GPS: 32.254164, -103.738679  
Eddy County, New Mexico



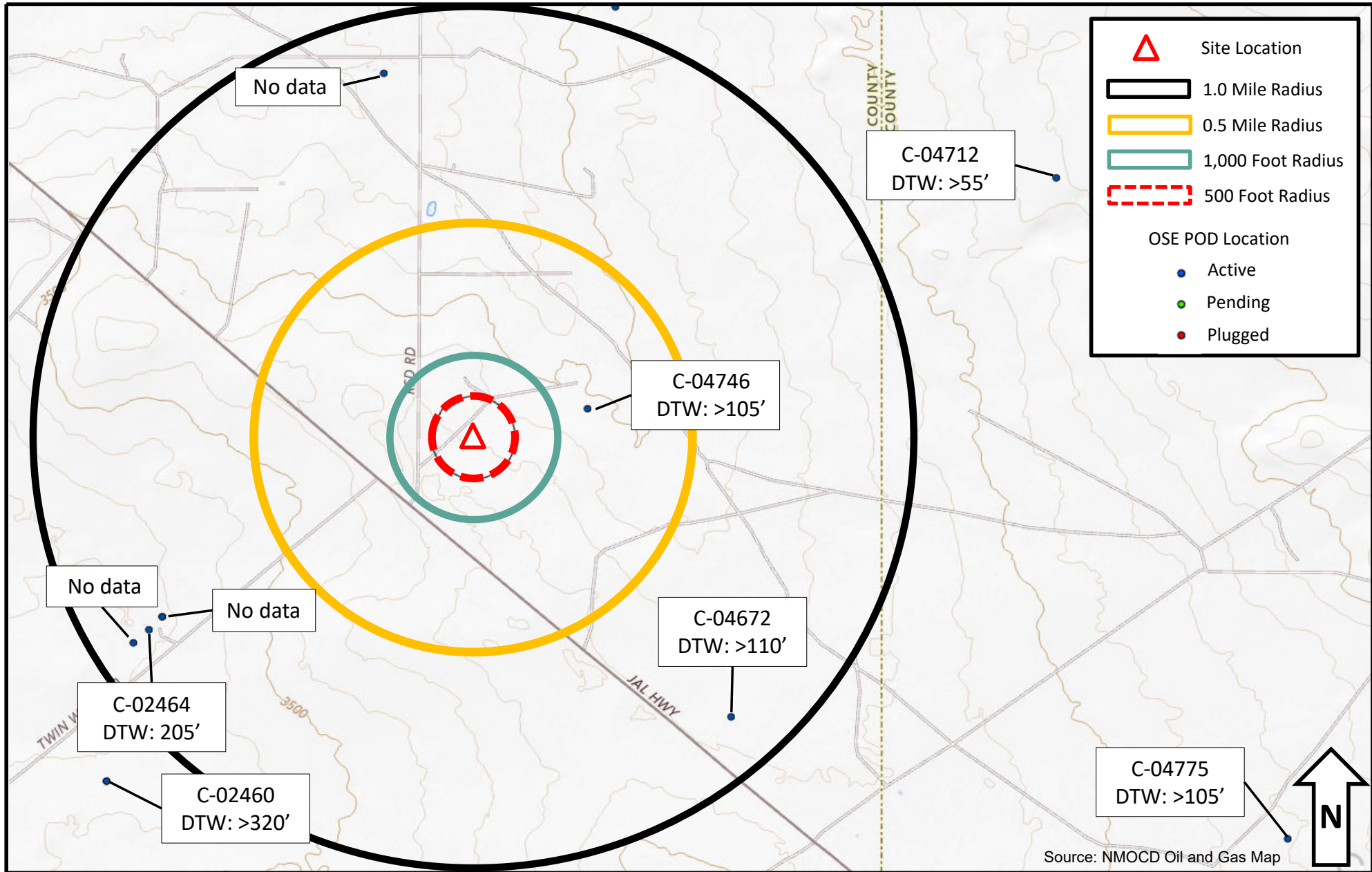
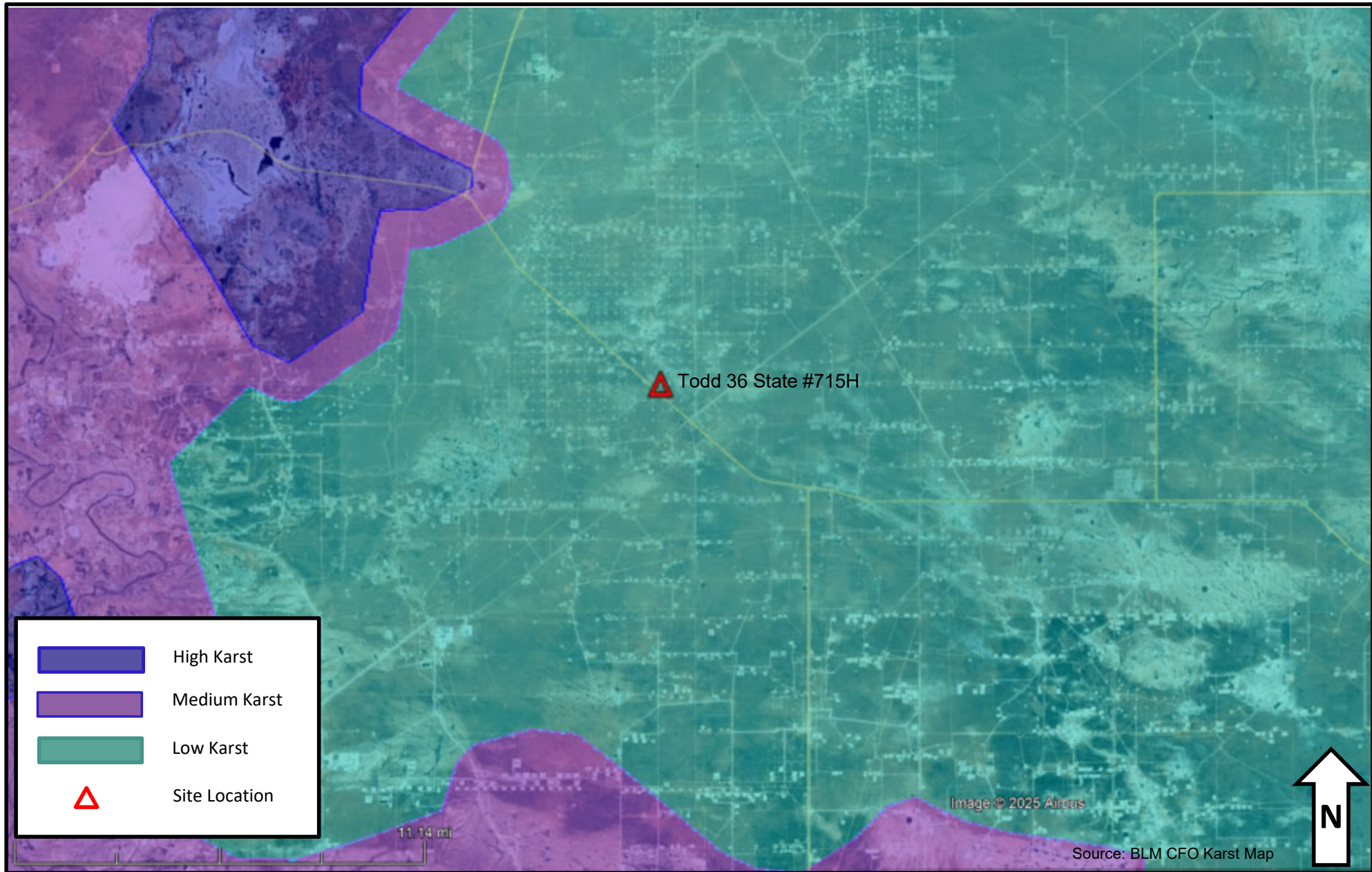






Figure 1A – Groundwater

Devon Energy Permian – Todd 36 State #715H  
 GPS: 32.254164, -103.738679  
 Eddy County, New Mexico





	High Karst
	Medium Karst
	Low Karst
	Site Location

**Figure 1B – Karst Potential**

Devon Energy Permian – Todd 36 State #715H  
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 Eddy County, New Mexico



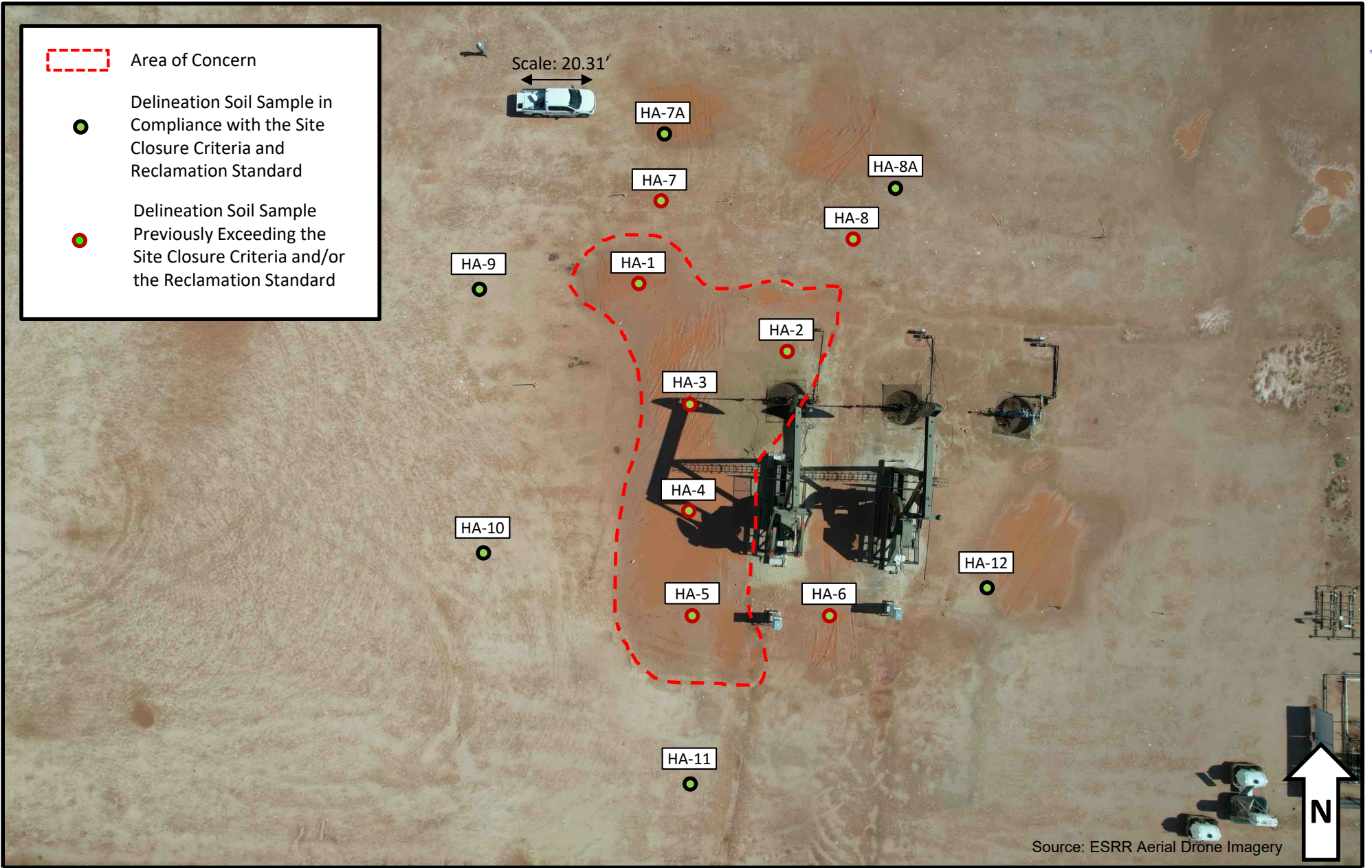
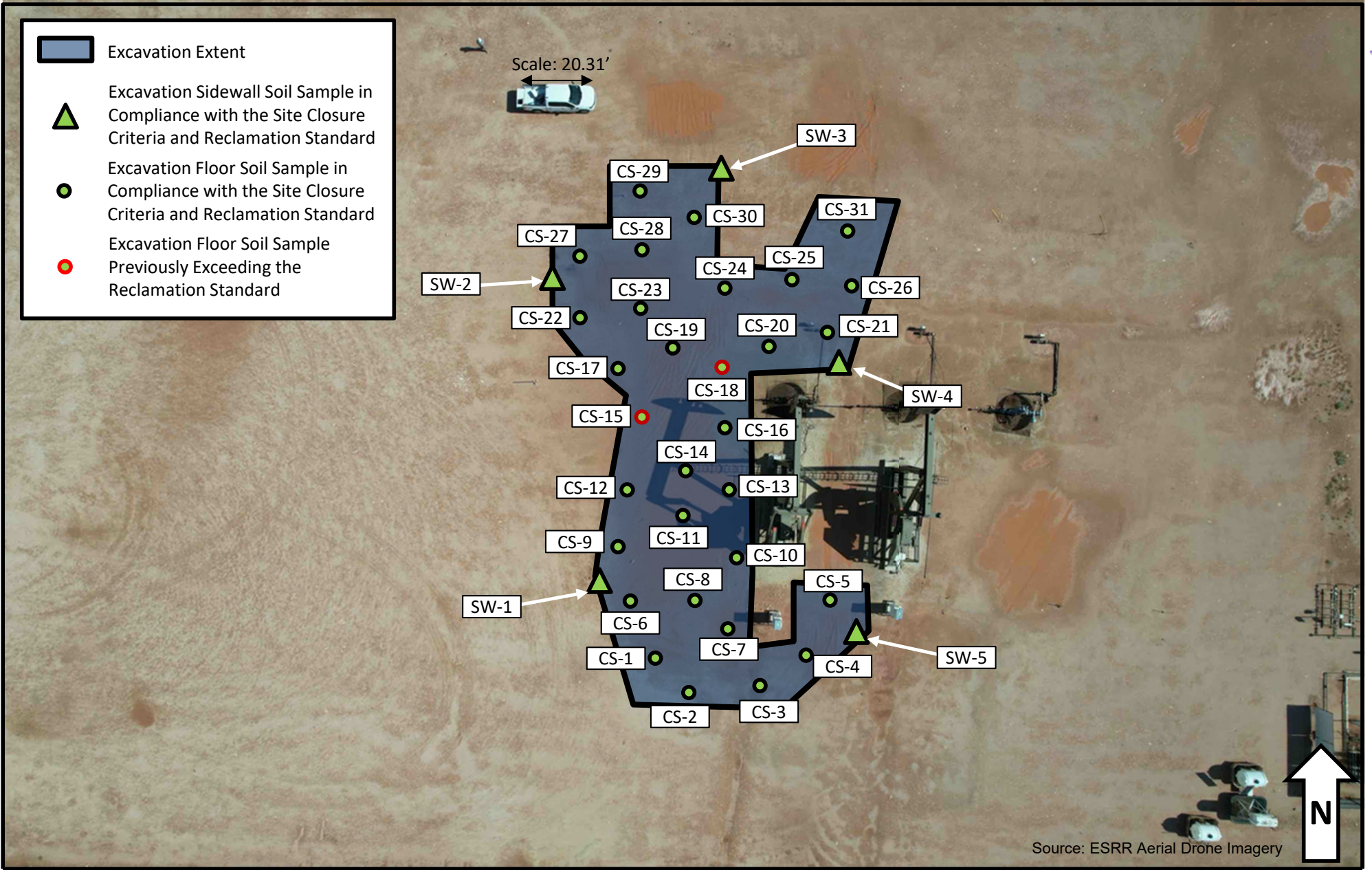


Figure 2 – Delineation Soil Sample Locations

Devon Energy Permian – Todd 36 State #715H  
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Eddy County, New Mexico





**Figure 3 – Excavation Soil Sample Locations**

Devon Energy Permian – Todd 36 State #715H  
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Eddy County, New Mexico





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

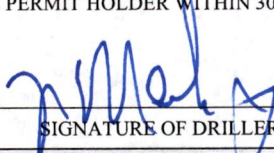
[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <del>C-4746</del> POD 1		WELL TAG ID NO.		OSE FILE NO(S). <b>C-4746</b>			
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 205 E Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 15'	SECONDS 18.5" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	44'	03.4" W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 6-1-23	DRILLING ENDED 6-1-23	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	100	6	2" PVC SCH 40	Thread	2"	SCH 40	-
	100	105	6	2" PVC SCH 40	Thread	2"	SCH 40	.02
	OSE INT JUN 13 2023 PM 2:08							
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				None pulled and plugged				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. <b>C-4746</b>	POD NO. <b>1</b>	TRN NO. <b>147203</b>
LOCATION <b>235. 31E. 36 3 4 3</b>	WELL TAG ID NO. <b>NA</b>	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Red sand/White Caliche	Y ✓ N	
	10	20	10	White Caliche	Y ✓ N	
	20	80	60	Light Tan fine sand	Y ✓ N	
	80	105	25	Brown fine sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: <div style="text-align: right; font-family: monospace;">05E DT JUN 13 2023 PM 2:08</div>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME			Jason Maley _____ DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-4746	POD NO. 1	TRN NO. 747 203	
LOCATION 235-316.36 343	WELL TAG ID NO. NA	PAGE 2 OF 2	

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**PHOTO 1:** Southwestern view during initial site assessment by Devon. 6/10/2025



**PHOTO 2:** Southwestern view during initial site assessment by Devon. 6/10/2025

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PHOTO 3: Southeastern view during delineation activities. 6/18/2025

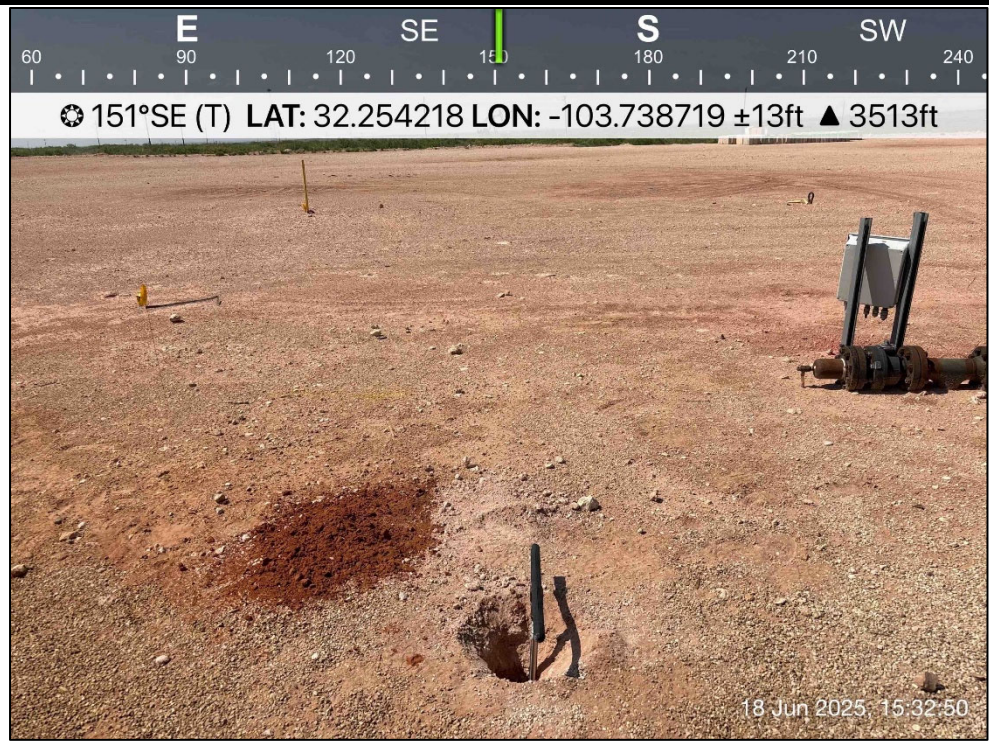


PHOTO 4: Southeastern view during delineation activities. 6/18/2025

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PHOTO 5: Southeastern view during delineation activities. 6/18/2025



PHOTO 6: Southeastern view during delineation activities. 6/18/2025

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PHOTO 7: Southeastern view during delineation activities. 6/18/2025

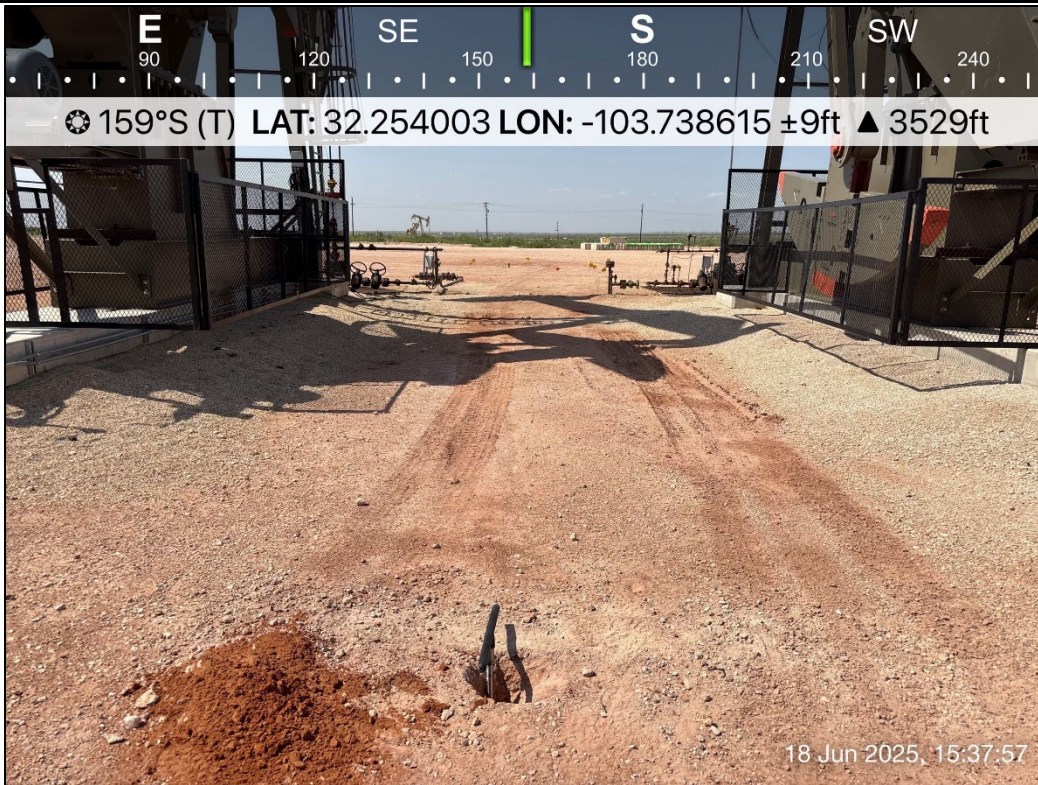


PHOTO 8: Southeastern view during delineation activities. 6/18/2025

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PHOTO 9: Northern view during delineation activities. 6/24/2025



PHOTO 10: Northern view during delineation activities. 6/24/2025

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PHOTO 11: Northeastern view during excavation activities. 12/2/2025



PHOTO 12: Southwestern view during excavation activities. 12/2/2025

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PHOTO 13: Northeastern view during excavation activities. 12/2/2025



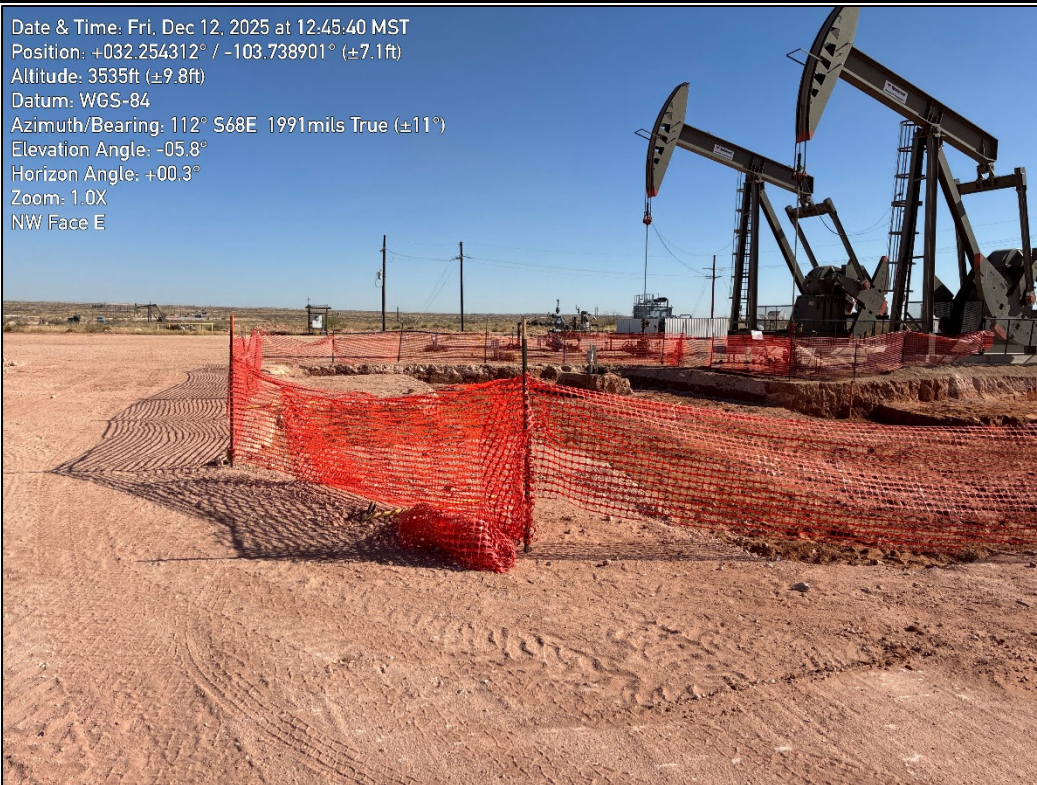
PHOTO 14: Northwestern view during excavation activities. 12/2/2025

Todd 36 State #715H - Closure Request Report  
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Date & Time: Wed, Dec 03, 2025 at 13:15:12 MST  
Position: +032.254382° / -103.738883° (±6.6ft)  
Altitude: 3514ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 154° S26E 2738mils True (±11°)  
Elevation Angle: -03.4°  
Horizon Angle: +00.5°  
Zoom: 1.0X  
TODD 36 STATE NW

PHOTO 15: Southeastern view of excavation extent. 12/3/2025



Date & Time: Fri, Dec 12, 2025 at 12:45:40 MST  
Position: +032.254312° / -103.738901° (±7.1ft)  
Altitude: 3535ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 112° S68E 1991mils True (±11°)  
Elevation Angle: -05.8°  
Horizon Angle: +00.3°  
Zoom: 1.0X  
NW Face E

PHOTO 16: Southeastern view of excavation extent. 12/12/2025

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PHOTO 17: Southeastern view following restoration activities. 1/07/2026



PHOTO 18: Southwestern view following restoration activities. 1/07/2026

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PHOTO 19: Northeastern view of location sign. 1/07/2026

**Table 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Todd 36 State #715H  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
<b>Delineation Soil Samples - nAPP2516155409</b>										
HA - 1	06/18/25	0.5	<0.00200	<0.00401	<49.6	1,700	<49.6	1,700	1,700	2,300
HA - 1 <sup>+</sup>	06/18/25	1	<0.00199	<0.00398	<50.0	73.4	<50.0	73.4	73.4	656
HA - 1	06/18/25	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	218
HA - 1	06/18/25	3	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	147
HA - 1	06/18/25	4	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	163
HA - 2 <sup>+</sup>	06/18/25	0.5	<0.00201	<0.00402	<50.0	180	<50.0	180	180	4,320
HA - 2 <sup>+</sup>	06/18/25	1	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	2,750
HA - 2	06/18/25	2	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	158
HA - 2	06/18/25	3	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	127
HA - 2	06/18/25	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	136
HA - 3 <sup>+</sup>	06/18/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,050
HA - 3 <sup>+</sup>	06/18/25	1	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	5,230
HA - 3	06/18/25	2	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	564
HA - 3	06/18/25	3	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	284
HA - 3	06/18/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	395
HA - 4 <sup>+</sup>	06/18/25	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	741
HA - 4 <sup>+</sup>	06/18/25	1	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	745
HA - 4	06/18/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	98
HA - 4	06/18/25	3	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	161
HA - 4	06/18/25	4	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	142
HA - 5 <sup>+</sup>	06/18/25	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	987
HA - 5	06/18/25	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	341
HA - 5	06/18/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	143
HA - 5	06/18/25	3	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	113
HA - 5	06/18/25	4	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	149

**Table 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Todd 36 State #715H  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
<b>Delineation Soil Samples - nAPP2516155409</b>										
HA - 6 <sup>+</sup>	06/18/25	0.5	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	860
HA - 6	06/18/25	1	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	252
HA - 6	06/18/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	130
HA - 6	06/18/25	3	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	90.9
HA - 6	06/18/25	4	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	149
HA - 7 <sup>+</sup>	06/24/25	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1,120
HA - 7	06/24/25	2	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	138
HA - 7A	06/24/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	460
HA - 8 <sup>+</sup>	06/24/25	0.5	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	648
HA - 8	06/24/25	2	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	79.3
HA - 8	06/24/25	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	87.5
HA - 8A	06/24/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	279
HA - 9	06/24/25	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	178
HA - 9	06/24/25	2	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	90.7
HA - 10	06/24/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	190
HA - 10	06/24/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	94.5
HA - 11	06/24/25	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	196
HA - 11	06/24/25	2	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	263
HA - 12	06/24/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	135
HA - 12	06/24/25	1	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	131
<b>Confirmation Soil Samples - nAPP2516155409</b>										
SW - 1	12/02/25	0-1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	109
SW - 2	12/03/25	0-2	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	184
SW - 3	12/03/25	0-1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	190
SW - 4	12/03/25	0-2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	29.9
SW - 5	12/02/25	0-1	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	36.5
CS - 1	12/02/25	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	38.5
CS - 2	12/02/25	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	148
CS - 3	12/02/25	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	553

**Table 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Todd 36 State #715H  
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
<b>Confirmation Soil Samples - nAPP2516155409</b>										
CS - 4	12/02/25	1	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	164
CS - 5	12/02/25	1	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	77.3
CS - 6	12/02/25	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	26.6
CS - 7	12/02/25	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	30.4
CS - 8	12/02/25	1	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	141
CS - 9	12/02/25	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	37.5
CS - 10	12/02/25	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	16.8
CS - 11	12/02/25	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	108
CS - 12	12/02/25	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	34.5
CS - 13	12/02/25	2	0.00303	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	15.5
CS - 14	12/02/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	13.8
CS - 15 <sup>+</sup>	12/02/25	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	632
CS - 15	12/15/25	3	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	172
CS - 16	12/02/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	194
CS - 17	12/03/25	2	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	381
CS - 18 <sup>+</sup>	12/03/25	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	967
CS - 18	12/15/25	3	<0.00202	<0.00403	<50.1	<50.1	<50.1	<50.1	<50.1	159
CS - 19	12/03/25	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	563
CS - 20	12/03/25	2	<0.00199	<0.00398	<50.0	88.7	<50.0	88.7	88.7	110
CS - 21	12/03/25	2	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	35.4
CS - 22	12/03/25	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	123
CS - 23	12/03/25	2	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	63.0
CS - 24	12/03/25	2	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	<10.1
CS - 25	12/03/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	13.3



Table 1  
SOIL SAMPLE ANALYTICAL RESULTS  
Todd 36 State #715H  
Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Confirmation Soil Samples - nAPP2516155409										
CS - 26	12/03/25	2	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	129
CS - 27	12/03/25	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	196
CS - 28	12/03/25	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	<9.94
CS - 29	12/03/25	1	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	94.7
CS - 30	12/03/25	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	199
CS - 31	12/03/25	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	256

## 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>1</sup> for Soils Impacted by a Release  
<sup>1</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.



Outlook

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Re: [EXTERNAL] TODD 36 STATE #715H - Extension Request - nAPP2516155409

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From Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Date Mon 9/8/2025 7:50 AM

To Gilbert Moreno <gmoreno@earthsys.net>

Cc jim.raley@dvn.com <jim.raley@dvn.com>; CFO\_Spill, BLM\_NM <blm\_nm\_cfo\_spill@blm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Good morning Gilbert,

Thank you for the correspondence. A 90-day time extension has been granted for this incident. Remediation Due date has been updated to December 8, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, request for time extensions, an alternative sampling plan, and/or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



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From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Monday, September 8, 2025 7:17 AM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] TODD 36 STATE #715H - Extension Request - nAPP2516155409

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**From:** Gilbert Moreno <gmoreno@earthsys.net>  
**Sent:** Sunday, September 7, 2025 9:22 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Raley, Jim <jim.raley@dmv.com>; CFO\_Spill, BLM\_NM <blm\_nm\_cfo\_spill@blm.gov>  
**Subject:** [EXTERNAL] TODD 36 STATE #715H - Extension Request - nAPP2516155409

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

Hello,

Earth Systems R & R (ESRR) on behalf of Devon Energy (Devon) is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the TODD 36 STATE #715H (Site).

A produced water and crude oil release was discovered on June 10, 2025, and was subsequently assigned Incident Number nAPP2516155409. Initial delineation activities were completed by ESRR on June 18, 2025. Due to an influx of remediation projects requiring Devon oversight, remediation activities have been delayed until proper oversight could be in place while excavating near subsurface pipelines and utilities. Remediation activities are anticipated to begin mid to late September, once the third-party contractor has been determined.

Devon requests an extension of the September 8, 2025, deadline for the release associated with Incident Number nAPP2516155409, to allow additional time to complete remediation activities and for ESRR to complete a subsequent corrective action closure report given favorable laboratory analytical results.

Thanks,

**Gilbert Moreno** | Carlsbad Operations Manager- Project Geologist  
1910 Resource Ct | Carlsbad NM, 88220  
O. 575.323.9034 M. (832) 541-7719 | [gmoreno@earthsys.net](mailto:gmoreno@earthsys.net)





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**Re: [EXTERNAL] Todd 36 State #715H - Extension Request - nAPP2516155409**

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**From** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

**Date** Tue 12/9/2025 7:22 AM

**To** Gilbert Moreno <gmoreno@earthsys.net>

**Cc** Raley, Jim <jim.ralej@dm.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; CFO\_Spill, BLM\_NM <blm\_nm\_cfo\_spill@blm.gov>

Good morning Gilbert,

Thank you for the request. Your 60-day time extension is approved. Remediation Due date has been updated to February 6, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

**Nelson Velez** • Senior Environmental Scientist  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/ocd>



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**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

**Sent:** Monday, December 8, 2025 8:35 AM

**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

**Subject:** FW: [EXTERNAL] Todd 36 State #715H - Extension Request - nAPP2516155409

---

**From:** Gilbert Moreno <gmoreno@earthsys.net>

**Sent:** Monday, December 8, 2025 8:21 AM

**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

**Cc:** CFO\_Spill, BLM\_NM <blm\_nm\_cfo\_spill@blm.gov>; Raley, Jim <jim.ralej@dm.com>

**Subject:** [EXTERNAL] Todd 36 State #715H - Extension Request - nAPP2516155409

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

Hello,

Earth Systems R & R (ESRR) on behalf of Devon Energy (Devon) is requesting an additional extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Todd 36 State #715H (Site).

A produced water and crude oil release was discovered on June 10, 2025, and was subsequently assigned Incident Number nAPP2516155409. Remediation has been completed as of December 4, 2025 and is pending final confirmation soil sampling laboratory analytical results.

Devon requests a 60-day extension of the December 8, 2025, deadline for the release associated with Incident Number nAPP2516155409, to allow additional time to complete further remediation if deemed necessary, followed by final restoration of the area of concern. Upon favorable laboratory analytical results, ESRR will complete a subsequent corrective action closure report.

Thanks,

**Gilbert Moreno**

Carlsbad Operations Manager- Project Geologist

O: (575) 323-9034 C: (832) 541-7719

[gmoreno@earthsys.net](mailto:gmoreno@earthsys.net)

[earthsys.net](http://earthsys.net)



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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 475161

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 475161
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2516155409
Incident Name	NAPP2516155409 TODD 36 STATE #715H @ 30-015-45940
Incident Type	Produced Water Release
Incident Status	Notification Accepted
Incident Well	[30-015-45940] TODD 36 STATE #715H

<b>Location of Release Source</b>	
Site Name	TODD 36 STATE #715H
Date Release Discovered	06/10/2025
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,726
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	06/18/2025
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	32.254164,-103.738679

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oecd/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 475161

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 475161
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/16/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/16/2025

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

QUESTIONS

Action 476729

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 476729
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2516155409
Incident Name	NAPP2516155409 TODD 36 STATE #715H @ 30-015-45940
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-45940] TODD 36 STATE #715H

<b>Location of Release Source</b>	
Site Name	TODD 36 STATE #715H
Date Release Discovered	06/10/2025
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,726
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	06/24/2025
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	32.254164,-103.738679

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
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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 476729

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 476729
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/18/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/18/2025

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 529487

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529487
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2516155409
Incident Name	NAPP2516155409 TODD 36 STATE #715H @ 30-015-45940
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-45940] TODD 36 STATE #715H

<b>Location of Release Source</b>	
Site Name	TODD 36 STATE #715H
Date Release Discovered	06/10/2025
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	5,086
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/02/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.254164, -103.738679

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 529487

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529487
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	11/24/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/24/2025

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

Action 529493

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529493
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2516155409
Incident Name	NAPP2516155409 TODD 36 STATE #715H @ 30-015-45940
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-45940] TODD 36 STATE #715H

<b>Location of Release Source</b>	
Site Name	TODD 36 STATE #715H
Date Release Discovered	06/10/2025
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	5,086
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/03/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.254164, -103.738679

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

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

CONDITIONS

Action 529493

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 529493
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	11/24/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/24/2025

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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

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

QUESTIONS

Action 533923

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 533923
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2516155409
Incident Name	NAPP2516155409 TODD 36 STATE #715H @ 30-015-45940
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-45940] TODD 36 STATE #715H

<b>Location of Release Source</b>	
Site Name	TODD 36 STATE #715H
Date Release Discovered	06/10/2025
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/15/2025
Time sampling will commence	08:30 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	32.254164, -103.738679

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 533923

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 533923
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/11/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/11/2025



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 6/25/2025 4:14:30 PM

## JOB DESCRIPTION

Todd 36 State #715H  
 Eddy County, NM

## JOB NUMBER

890-8316-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



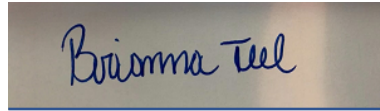
# Eurofins Carlsbad

## 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



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

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Laboratory Job ID: 890-8316-1  
SDG: Eddy County, NM

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## Definitions/Glossary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
SDG: Eddy County, NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-8316-1

**Job ID: 890-8316-1**

**Eurofins Carlsbad**

## Job Narrative 890-8316-1

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 6/19/2025 2:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.2°C.

### GC VOA

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-1 (890-8316-1). 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.

### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112662 and analytical batch 880-112681 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.

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112663 and analytical batch 880-112680 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-1**

Date Collected: 06/18/25 13:00

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 12:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/20/25 09:14	06/20/25 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 12:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/25 09:14	06/20/25 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/20/25 09:14	06/20/25 12:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/20/25 09:14	06/20/25 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/20/25 12:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1700		49.6		mg/Kg			06/20/25 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		06/20/25 08:03	06/20/25 15:57	1
Diesel Range Organics (Over C10-C28)	1700		49.6		mg/Kg		06/20/25 08:03	06/20/25 15:57	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/20/25 08:03	06/20/25 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	06/20/25 08:03	06/20/25 15:57	1
o-Terphenyl	144	S1+	70 - 130	06/20/25 08:03	06/20/25 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		49.6		mg/Kg			06/21/25 01:43	5

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-2**

Date Collected: 06/18/25 13:05

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 13:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/20/25 09:14	06/20/25 13:15	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-2**

Date Collected: 06/18/25 13:05

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	06/20/25 09:14	06/20/25 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.4		50.0		mg/Kg			06/20/25 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 16:30	1
<b>Diesel Range Organics (Over C10-C28)</b>	<b>73.4</b>		50.0		mg/Kg		06/20/25 08:03	06/20/25 16:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	06/20/25 08:03	06/20/25 16:30	1
o-Terphenyl	113		70 - 130	06/20/25 08:03	06/20/25 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	656		9.94		mg/Kg			06/21/25 01:50	1

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-3**

Date Collected: 06/18/25 13:10

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 13:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/20/25 09:14	06/20/25 13:35	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/20/25 09:14	06/20/25 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/20/25 16:47	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-3**

Date Collected: 06/18/25 13:10

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

**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		06/20/25 08:03	06/20/25 16:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/20/25 08:03	06/20/25 16:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 08:03	06/20/25 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				06/20/25 08:03	06/20/25 16:47	1
o-Terphenyl	112		70 - 130				06/20/25 08:03	06/20/25 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		9.96		mg/Kg			06/21/25 01:57	1

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-4**

Date Collected: 06/18/25 13:15

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 13:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 13:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				06/20/25 09:14	06/20/25 13:56	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/20/25 09:14	06/20/25 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/20/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/20/25 08:03	06/20/25 17:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/20/25 08:03	06/20/25 17:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 08:03	06/20/25 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/20/25 08:03	06/20/25 17:03	1
o-Terphenyl	115		70 - 130				06/20/25 08:03	06/20/25 17:03	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-4**

Date Collected: 06/18/25 13:15

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		9.98		mg/Kg			06/21/25 02:04	1

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-5**

Date Collected: 06/18/25 13:20

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 14:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 14:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 14:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/20/25 09:14	06/20/25 14:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 14:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/25 09:14	06/20/25 14:16	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	101		70 - 130				06/20/25 09:14	06/20/25 14:16	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/20/25 09:14	06/20/25 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/20/25 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/20/25 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/20/25 08:03	06/20/25 17:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/25 08:03	06/20/25 17:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/25 08:03	06/20/25 17:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	127		70 - 130				06/20/25 08:03	06/20/25 17:20	1
o-Terphenyl	127		70 - 130				06/20/25 08:03	06/20/25 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		10.0		mg/Kg			06/21/25 02:26	1

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-6**

Date Collected: 06/18/25 13:25

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:14	06/20/25 14:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:14	06/20/25 14:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:14	06/20/25 14:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/25 09:14	06/20/25 14:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:14	06/20/25 14:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 09:14	06/20/25 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/20/25 09:14	06/20/25 14:36	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/20/25 09:14	06/20/25 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	180		50.0		mg/Kg			06/20/25 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 17:36	1
Diesel Range Organics (Over C10-C28)	180		50.0		mg/Kg		06/20/25 08:03	06/20/25 17:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	06/20/25 08:03	06/20/25 17:36	1
o-Terphenyl	120		70 - 130	06/20/25 08:03	06/20/25 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4320		50.2		mg/Kg			06/21/25 02:33	5

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-7**

Date Collected: 06/18/25 13:30

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:14	06/20/25 14:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:14	06/20/25 14:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:14	06/20/25 14:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/25 09:14	06/20/25 14:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:14	06/20/25 14:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 09:14	06/20/25 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/20/25 09:14	06/20/25 14:57	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-7**

Date Collected: 06/18/25 13:30

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	06/20/25 09:14	06/20/25 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/20/25 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/20/25 08:03	06/20/25 17:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/20/25 08:03	06/20/25 17:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 08:03	06/20/25 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	06/20/25 08:03	06/20/25 17:52	1
o-Terphenyl	116		70 - 130	06/20/25 08:03	06/20/25 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2750		50.5		mg/Kg			06/21/25 02:40	5

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-8**

Date Collected: 06/18/25 13:35

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 16:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 16:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 16:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 16:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 16:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/20/25 09:14	06/20/25 16:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/20/25 09:14	06/20/25 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/20/25 18:09	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-8**

Date Collected: 06/18/25 13:35

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

**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		06/20/25 08:03	06/20/25 18:09	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/20/25 08:03	06/20/25 18:09	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/20/25 08:03	06/20/25 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/20/25 08:03	06/20/25 18:09	1
o-Terphenyl	118		70 - 130				06/20/25 08:03	06/20/25 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		10.1		mg/Kg			06/21/25 02:47	1

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-9**

Date Collected: 06/18/25 13:40

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:14	06/20/25 16:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:14	06/20/25 16:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:14	06/20/25 16:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/25 09:14	06/20/25 16:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:14	06/20/25 16:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 09:14	06/20/25 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/20/25 09:14	06/20/25 16:40	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/20/25 09:14	06/20/25 16:40	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			06/20/25 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/20/25 18:25	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	<50.1	U	50.1		mg/Kg		06/20/25 08:03	06/20/25 18:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/20/25 08:03	06/20/25 18:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 08:03	06/20/25 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				06/20/25 08:03	06/20/25 18:25	1
o-Terphenyl	114		70 - 130				06/20/25 08:03	06/20/25 18:25	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-9**

Date Collected: 06/18/25 13:40

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.1		mg/Kg			06/21/25 02:54	1

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-10**

Date Collected: 06/18/25 13:45

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 17:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 17:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 17:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 17:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:14	06/20/25 17:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:14	06/20/25 17:01	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	98		70 - 130				06/20/25 09:14	06/20/25 17:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/20/25 09:14	06/20/25 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/20/25 18:42	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	<49.8	U	49.8		mg/Kg		06/20/25 08:03	06/20/25 18:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/20/25 08:03	06/20/25 18:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/20/25 08:03	06/20/25 18:42	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	122		70 - 130				06/20/25 08:03	06/20/25 18:42	1
o-Terphenyl	120		70 - 130				06/20/25 08:03	06/20/25 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136	F1	10.1		mg/Kg			06/21/25 03:02	1

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-11**

Date Collected: 06/18/25 13:50

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 18:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 18:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 18:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:20	06/20/25 18:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 18:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:20	06/20/25 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	06/20/25 09:20	06/20/25 18:02	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/20/25 09:20	06/20/25 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/20/25 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 18:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 18:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	06/20/25 08:03	06/20/25 18:58	1
o-Terphenyl	124		70 - 130	06/20/25 08:03	06/20/25 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		50.2		mg/Kg			06/21/25 03:23	5

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-12**

Date Collected: 06/18/25 13:55

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 18:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 18:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 18:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/25 09:20	06/20/25 18:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 18:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 09:20	06/20/25 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/20/25 09:20	06/20/25 18:22	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-12**

Date Collected: 06/18/25 13:55

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	81		70 - 130	06/20/25 09:20	06/20/25 18:22	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			06/20/25 18:22	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			06/21/25 04:30	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		06/20/25 09:12	06/21/25 04:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 04:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	06/20/25 09:12	06/21/25 04:30	1
o-Terphenyl	101		70 - 130	06/20/25 09:12	06/21/25 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5230		49.7		mg/Kg			06/21/25 03:30	5

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-13**

Date Collected: 06/18/25 14:00

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 18:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 18:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 18:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:20	06/20/25 18:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 18:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:20	06/20/25 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/20/25 09:20	06/20/25 18:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/20/25 09:20	06/20/25 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/21/25 05:20	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-13**

Date Collected: 06/18/25 14:00

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 05:20	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 05:20	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 05:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/20/25 09:12	06/21/25 05:20	1
o-Terphenyl	94		70 - 130				06/20/25 09:12	06/21/25 05:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	564		9.92		mg/Kg			06/21/25 03:52	1

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-14**

Date Collected: 06/18/25 14:05

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

**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		06/20/25 09:20	06/20/25 19:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 19:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 19:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/20/25 09:20	06/20/25 19:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 19:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/20/25 09:20	06/20/25 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/20/25 09:20	06/20/25 19:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/20/25 09:20	06/20/25 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/20/25 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/21/25 05:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/20/25 09:12	06/21/25 05:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/20/25 09:12	06/21/25 05:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/20/25 09:12	06/21/25 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/20/25 09:12	06/21/25 05:35	1
o-Terphenyl	103		70 - 130				06/20/25 09:12	06/21/25 05:35	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-14**

Date Collected: 06/18/25 14:05

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	284		9.94		mg/Kg			06/21/25 03:59	1

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-15**

Date Collected: 06/18/25 14:10

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 19:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 19:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 19:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:20	06/20/25 19:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:20	06/20/25 19:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:20	06/20/25 19:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	113		70 - 130				06/20/25 09:20	06/20/25 19:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/20/25 09:20	06/20/25 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/25 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 05:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 05:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 05:52	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	98		70 - 130				06/20/25 09:12	06/21/25 05:52	1
o-Terphenyl	99		70 - 130				06/20/25 09:12	06/21/25 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	395	F1	10.1		mg/Kg			06/20/25 15:06	1

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-16**

Date Collected: 06/18/25 14:15

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 19:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 19:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 19:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/25 09:20	06/20/25 19:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 19:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 09:20	06/20/25 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/20/25 09:20	06/20/25 19:44	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/20/25 09:20	06/20/25 19:44	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			06/20/25 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/25 06:08	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	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 06:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 06:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/20/25 09:12	06/21/25 06:08	1
o-Terphenyl	99		70 - 130	06/20/25 09:12	06/21/25 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	741		10.1		mg/Kg			06/20/25 15:23	1

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-17**

Date Collected: 06/18/25 14:20

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:20	06/20/25 20:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:20	06/20/25 20:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:20	06/20/25 20:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/25 09:20	06/20/25 20:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:20	06/20/25 20:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 09:20	06/20/25 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/20/25 09:20	06/20/25 20:04	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-17**

Date Collected: 06/18/25 14:20

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	06/20/25 09:20	06/20/25 20:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 20:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			06/21/25 06:24	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		06/20/25 09:12	06/21/25 06:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		06/20/25 09:12	06/21/25 06:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		06/20/25 09:12	06/21/25 06:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/20/25 09:12	06/21/25 06:24	1
o-Terphenyl	100		70 - 130	06/20/25 09:12	06/21/25 06:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	745		10.1		mg/Kg			06/20/25 15:29	1

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-18**

Date Collected: 06/18/25 14:25

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:20	06/20/25 20:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:20	06/20/25 20:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:20	06/20/25 20:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/25 09:20	06/20/25 20:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:20	06/20/25 20:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 09:20	06/20/25 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/20/25 09:20	06/20/25 20:25	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/20/25 09:20	06/20/25 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 20:25	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			06/21/25 06:40	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-18**

Date Collected: 06/18/25 14:25

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

**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		06/20/25 09:12	06/21/25 06:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 06:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 06:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/20/25 09:12	06/21/25 06:40	1
o-Terphenyl	100		70 - 130				06/20/25 09:12	06/21/25 06:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.0		10.0		mg/Kg			06/20/25 15:35	1

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-19**

Date Collected: 06/18/25 14:30

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

**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		06/20/25 09:20	06/20/25 20:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 20:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 20:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/20/25 09:20	06/20/25 20:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 20:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/25 09:20	06/20/25 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/20/25 09:20	06/20/25 20:45	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/20/25 09:20	06/20/25 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/20/25 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/21/25 06:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 06:56	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 06:56	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 06:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/20/25 09:12	06/21/25 06:56	1
o-Terphenyl	103		70 - 130				06/20/25 09:12	06/21/25 06:56	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-19**

Date Collected: 06/18/25 14:30

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		10.1		mg/Kg			06/20/25 15:40	1

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-20**

Date Collected: 06/18/25 14:35

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 21:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 21:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 21:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/25 09:20	06/20/25 21:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:20	06/20/25 21:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 09:20	06/20/25 21:06	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	112		70 - 130				06/20/25 09:20	06/20/25 21:06	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/20/25 09:20	06/20/25 21:06	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			06/20/25 21:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/21/25 07:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 07:12	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 07:12	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 07:12	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	99		70 - 130				06/20/25 09:12	06/21/25 07:12	1
o-Terphenyl	104		70 - 130				06/20/25 09:12	06/21/25 07:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		10.1		mg/Kg			06/20/25 15:57	1

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-21**

Date Collected: 06/18/25 14:40

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 14:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 14:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 14:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:29	06/20/25 14:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 14:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:29	06/20/25 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/20/25 09:29	06/20/25 14:47	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/20/25 09:29	06/20/25 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/21/25 07:28	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		06/20/25 09:12	06/21/25 07:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 07:28	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 07:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/20/25 09:12	06/21/25 07:28	1
o-Terphenyl	100		70 - 130	06/20/25 09:12	06/21/25 07:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	987		10.1		mg/Kg			06/20/25 16:03	1

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-22**

Date Collected: 06/18/25 14:45

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 16:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 16:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 16:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/25 09:29	06/20/25 16:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 16:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 09:29	06/20/25 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/20/25 09:29	06/20/25 16:42	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-22**

Date Collected: 06/18/25 14:45

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88		70 - 130	06/20/25 09:29	06/20/25 16:42	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			06/20/25 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/25 08:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 08:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 08:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 08:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/20/25 09:12	06/21/25 08:01	1
o-Terphenyl	97		70 - 130	06/20/25 09:12	06/21/25 08:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	341		9.96		mg/Kg			06/20/25 16:09	1

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-23**

Date Collected: 06/18/25 14:50

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 17:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 17:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 17:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:29	06/20/25 17:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 17:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:29	06/20/25 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/20/25 09:29	06/20/25 17:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/20/25 09:29	06/20/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/21/25 08:19	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-23**

Date Collected: 06/18/25 14:50

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/20/25 09:12	06/21/25 08:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/20/25 09:12	06/21/25 08:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/20/25 09:12	06/21/25 08:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/20/25 09:12	06/21/25 08:19	1
o-Terphenyl	90		70 - 130				06/20/25 09:12	06/21/25 08:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		9.98		mg/Kg			06/20/25 16:14	1

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-24**

Date Collected: 06/18/25 14:55

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

**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		06/20/25 09:29	06/20/25 17:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 17:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 17:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/20/25 09:29	06/20/25 17:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 17:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/20/25 09:29	06/20/25 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/20/25 09:29	06/20/25 17:23	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/20/25 09:29	06/20/25 17:23	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			06/20/25 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/21/25 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 08:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 08:35	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 08:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/20/25 09:12	06/21/25 08:35	1
o-Terphenyl	100		70 - 130				06/20/25 09:12	06/21/25 08:35	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-24**

Date Collected: 06/18/25 14:55

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		10.0		mg/Kg			06/20/25 16:55	1

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-25**

Date Collected: 06/18/25 15:00

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 17:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/25 09:29	06/20/25 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/25 09:29	06/20/25 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/25 09:29	06/20/25 17:44	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	96		70 - 130				06/20/25 09:29	06/20/25 17:44	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/20/25 09:29	06/20/25 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/20/25 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/21/25 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 08:53	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 08:53	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 09:12	06/21/25 08:53	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	98		70 - 130				06/20/25 09:12	06/21/25 08:53	1
o-Terphenyl	100		70 - 130				06/20/25 09:12	06/21/25 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		10.0		mg/Kg			06/20/25 17:01	1

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-26**

Date Collected: 06/18/25 15:05

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 18:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 18:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 18:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/25 09:29	06/20/25 18:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 18:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 09:29	06/20/25 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/20/25 09:29	06/20/25 18:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/20/25 09:29	06/20/25 18:04	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			06/20/25 18:04	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			06/21/25 09:09	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		06/20/25 09:12	06/21/25 09:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 09:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/20/25 09:12	06/21/25 09:09	1
o-Terphenyl	101		70 - 130	06/20/25 09:12	06/21/25 09:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	860		9.92		mg/Kg			06/20/25 17:18	1

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-27**

Date Collected: 06/18/25 15:10

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:29	06/20/25 18:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:29	06/20/25 18:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:29	06/20/25 18:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/25 09:29	06/20/25 18:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:29	06/20/25 18:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 09:29	06/20/25 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/20/25 09:29	06/20/25 18:25	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-27**

Date Collected: 06/18/25 15:10

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	06/20/25 09:29	06/20/25 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 18:25	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			06/21/25 09:27	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		06/20/25 09:12	06/21/25 09:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 09:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 09:12	06/21/25 09:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	06/20/25 09:12	06/21/25 09:27	1
o-Terphenyl	104		70 - 130	06/20/25 09:12	06/21/25 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	252		10.1		mg/Kg			06/20/25 17:23	1

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-28**

Date Collected: 06/18/25 15:15

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:29	06/20/25 18:45	1
<b>Toluene</b>	<b>0.00210</b>		0.00201		mg/Kg		06/20/25 09:29	06/20/25 18:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:29	06/20/25 18:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/25 09:29	06/20/25 18:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/25 09:29	06/20/25 18:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/25 09:29	06/20/25 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	06/20/25 09:29	06/20/25 18:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/20/25 09:29	06/20/25 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/20/25 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/25 09:43	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-28**

Date Collected: 06/18/25 15:15

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 2

**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		06/20/25 09:12	06/21/25 09:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 09:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/25 09:12	06/21/25 09:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/20/25 09:12	06/21/25 09:43	1
o-Terphenyl	104		70 - 130				06/20/25 09:12	06/21/25 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		9.96		mg/Kg			06/20/25 17:40	1

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-29**

Date Collected: 06/18/25 15:20

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

**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		06/20/25 09:29	06/20/25 19:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 19:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 19:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/20/25 09:29	06/20/25 19:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 19:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/25 09:29	06/20/25 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				06/20/25 09:29	06/20/25 19:06	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/20/25 09:29	06/20/25 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/20/25 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			06/20/25 21:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/20/25 16:05	06/20/25 21:51	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/20/25 16:05	06/20/25 21:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/20/25 16:05	06/20/25 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/20/25 16:05	06/20/25 21:51	1
o-Terphenyl	104		70 - 130				06/20/25 16:05	06/20/25 21:51	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-29**

Date Collected: 06/18/25 15:20

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		10.0		mg/Kg			06/20/25 17:46	1

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-30**

Date Collected: 06/18/25 15:25

Matrix: Solid

Date Received: 06/19/25 14:25

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 19:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 19:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 19:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/25 09:29	06/20/25 19:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/25 09:29	06/20/25 19:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/25 09:29	06/20/25 19:26	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	94		70 - 130				06/20/25 09:29	06/20/25 19:26	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/20/25 09:29	06/20/25 19:26	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			06/20/25 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			06/20/25 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		06/20/25 16:05	06/20/25 22:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		06/20/25 16:05	06/20/25 22:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		06/20/25 16:05	06/20/25 22:38	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	107		70 - 130				06/20/25 16:05	06/20/25 22:38	1
o-Terphenyl	109		70 - 130				06/20/25 16:05	06/20/25 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		10.0		mg/Kg			06/20/25 17:52	1

### Surrogate Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-8316-1	HA-1	101	101
890-8316-2	HA-1	100	100
890-8316-3	HA-1	99	98
890-8316-4	HA-1	94	96
890-8316-5	HA-1	101	97
890-8316-6	HA-2	99	99
890-8316-7	HA-2	98	97
890-8316-8	HA-2	100	99
890-8316-9	HA-2	97	96
890-8316-10	HA-2	98	95
890-8316-11	HA-3	125	85
890-8316-12	HA-3	121	81
890-8316-13	HA-3	113	95
890-8316-14	HA-3	108	95
890-8316-15	HA-3	113	94
890-8316-16	HA-4	109	95
890-8316-17	HA-4	113	94
890-8316-18	HA-4	112	95
890-8316-19	HA-4	108	94
890-8316-20	HA-4	112	92
890-8316-21	HA-5	92	92
890-8316-22	HA-5	96	88
890-8316-23	HA-5	93	98
890-8316-24	HA-5	97	96
890-8316-25	HA-5	96	95
890-8316-26	HA-6	94	94
890-8316-27	HA-6	97	95
890-8316-28	HA-6	78	97
890-8316-29	HA-6	85	98
890-8316-30	HA-6	94	96
LCS 880-112665/1-A	Lab Control Sample	91	91
LCS 880-112667/1-A	Lab Control Sample	103	102
LCS 880-112668/1-A	Lab Control Sample	95	96
LCSD 880-112665/2-A	Lab Control Sample Dup	88	90
LCSD 880-112667/2-A	Lab Control Sample Dup	111	97
LCSD 880-112668/2-A	Lab Control Sample Dup	99	96
MB 880-112665/5-A	Method Blank	93	95
MB 880-112667/5-A	Method Blank	104	90
MB 880-112668/5-A	Method Blank	99	86

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

### Surrogate Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

**Matrix: Solid**

**Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8316-1	HA-1	112	144 S1+
890-8316-2	HA-1	112	113
890-8316-3	HA-1	113	112
890-8316-4	HA-1	117	115
890-8316-5	HA-1	127	127
890-8316-6	HA-2	116	120
890-8316-7	HA-2	111	116
890-8316-8	HA-2	114	118
890-8316-9	HA-2	115	114
890-8316-10	HA-2	122	120
890-8316-11	HA-3	121	124
890-8316-12	HA-3	103	101
890-8316-12 MS	HA-3	87	94
890-8316-12 MSD	HA-3	89	97
890-8316-13	HA-3	100	94
890-8316-14	HA-3	100	103
890-8316-15	HA-3	98	99
890-8316-16	HA-4	97	99
890-8316-17	HA-4	96	100
890-8316-18	HA-4	96	100
890-8316-19	HA-4	99	103
890-8316-20	HA-4	99	104
890-8316-21	HA-5	96	100
890-8316-22	HA-5	97	97
890-8316-23	HA-5	92	90
890-8316-24	HA-5	100	100
890-8316-25	HA-5	98	100
890-8316-26	HA-6	101	101
890-8316-27	HA-6	100	104
890-8316-28	HA-6	101	104
890-8316-29	HA-6	104	104
890-8316-29 MS	HA-6	94	102
890-8316-29 MSD	HA-6	108	99
890-8316-30	HA-6	107	109
LCS 880-112651/2-A	Lab Control Sample	84	94
LCS 880-112664/2-A	Lab Control Sample	113	125
LCS 880-112709/2-A	Lab Control Sample	114	126
LCSD 880-112651/3-A	Lab Control Sample Dup	102	94
LCSD 880-112664/3-A	Lab Control Sample Dup	129	120
LCSD 880-112709/3-A	Lab Control Sample Dup	130	121
MB 880-112651/1-A	Method Blank	93	92
MB 880-112664/1-A	Method Blank	120	127
MB 880-112709/1-A	Method Blank	123	127

**Surrogate Legend**

1CO = 1-Chlorooctane  
 OTPH = o-Terphenyl

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-112665/5-A  
 Matrix: Solid  
 Analysis Batch: 112654

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112665

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:14	06/20/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/25 09:14	06/20/25 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/20/25 09:14	06/20/25 11:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/20/25 09:14	06/20/25 11:32	1

Lab Sample ID: LCS 880-112665/1-A  
 Matrix: Solid  
 Analysis Batch: 112654

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 112665

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1049		mg/Kg		105	70 - 130
Toluene	0.100	0.09715		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1008		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2037		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

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

Lab Sample ID: LCSD 880-112665/2-A  
 Matrix: Solid  
 Analysis Batch: 112654

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 112665

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	1	35
Toluene	0.100	0.09543		mg/Kg		95	70 - 130	2	35
Ethylbenzene	0.100	0.09910		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2005		mg/Kg		100	70 - 130	2	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: MB 880-112667/5-A  
 Matrix: Solid  
 Analysis Batch: 112655

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 11:42	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

**Lab Sample ID: MB 880-112667/5-A**  
**Matrix: Solid**  
**Analysis Batch: 112655**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 112667**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:20	06/20/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/25 09:20	06/20/25 11:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/20/25 09:20	06/20/25 11:42	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/20/25 09:20	06/20/25 11:42	1

**Lab Sample ID: LCS 880-112667/1-A**  
**Matrix: Solid**  
**Analysis Batch: 112655**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 112667**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1292		mg/Kg		129	70 - 130
Toluene	0.100	0.1057		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2145		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1067		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

**Lab Sample ID: LCSD 880-112667/2-A**  
**Matrix: Solid**  
**Analysis Batch: 112655**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 112667**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1185		mg/Kg		118	70 - 130	9	35
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	2	35
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2231		mg/Kg		112	70 - 130	4	35
o-Xylene	0.100	0.1119		mg/Kg		112	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

**Lab Sample ID: MB 880-112668/5-A**  
**Matrix: Solid**  
**Analysis Batch: 112656**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 112668**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/25 09:29	06/20/25 11:42	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-112668/5-A  
 Matrix: Solid  
 Analysis Batch: 112656

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112668

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/25 09:29	06/20/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/25 09:29	06/20/25 11:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	99		70 - 130	06/20/25 09:29	06/20/25 11:42	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/20/25 09:29	06/20/25 11:42	1

Lab Sample ID: LCS 880-112668/1-A  
 Matrix: Solid  
 Analysis Batch: 112656

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 112668

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1089		mg/Kg		109	70 - 130
Toluene	0.100	0.09616		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09969		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2076		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-112668/2-A  
 Matrix: Solid  
 Analysis Batch: 112656

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 112668

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.1101		mg/Kg		110	70 - 130	1	35
Toluene	0.100	0.09947		mg/Kg		99	70 - 130	3	35
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2166		mg/Kg		108	70 - 130	4	35
o-Xylene	0.100	0.1069		mg/Kg		107	70 - 130	5	35

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

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

Lab Sample ID: MB 880-112651/1-A  
 Matrix: Solid  
 Analysis Batch: 112675

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112651

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 03:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 03:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 08:03	06/20/25 03:28	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/20/25 08:03	06/20/25 03:28	1
o-Terphenyl	92		70 - 130	06/20/25 08:03	06/20/25 03:28	1

Lab Sample ID: LCS 880-112651/2-A  
 Matrix: Solid  
 Analysis Batch: 112675

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 112651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	863.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1037		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-112651/3-A  
 Matrix: Solid  
 Analysis Batch: 112675

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 112651

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	859.5		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	972.3		mg/Kg		97	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: MB 880-112664/1-A  
 Matrix: Solid  
 Analysis Batch: 112675

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 03:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 03:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 09:12	06/21/25 03:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	06/20/25 09:12	06/21/25 03:42	1
o-Terphenyl	127		70 - 130	06/20/25 09:12	06/21/25 03:42	1

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

**Lab Sample ID: LCS 880-112664/2-A**  
**Matrix: Solid**  
**Analysis Batch: 112675**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 112664**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
							Lower	Upper	
Gasoline Range Organics (GRO)-C6-C10	1000	1031		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1151		mg/Kg		115	70 - 130		
		<b>LCS</b>	<b>LCS</b>						
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	125		70 - 130						

**Lab Sample ID: LCSD 880-112664/3-A**  
**Matrix: Solid**  
**Analysis Batch: 112675**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 112664**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
							Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1004		mg/Kg		100	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1000	1025		mg/Kg		102	70 - 130	12	20	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane	129		70 - 130							
o-Terphenyl	120		70 - 130							

**Lab Sample ID: 890-8316-12 MS**  
**Matrix: Solid**  
**Analysis Batch: 112675**

**Client Sample ID: HA-3**  
**Prep Type: Total/NA**  
**Prep Batch: 112664**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
									Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	780.7		mg/Kg		78	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.7	U	999	851.7		mg/Kg		85	70 - 130	
		<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane	87		70 - 130							
o-Terphenyl	94		70 - 130							

**Lab Sample ID: 890-8316-12 MSD**  
**Matrix: Solid**  
**Analysis Batch: 112675**

**Client Sample ID: HA-3**  
**Prep Type: Total/NA**  
**Prep Batch: 112664**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	798.7		mg/Kg		80	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<49.7	U	999	876.7		mg/Kg		88	70 - 130	3	20	
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
1-Chlorooctane	89		70 - 130									

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

**Lab Sample ID: 890-8316-12 MSD**  
**Matrix: Solid**  
**Analysis Batch: 112675**

**Client Sample ID: HA-3**  
**Prep Type: Total/NA**  
**Prep Batch: 112664**

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	97		70 - 130

**Lab Sample ID: MB 880-112709/1-A**  
**Matrix: Solid**  
**Analysis Batch: 112675**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 112709**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/25 16:05	06/20/25 20:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/25 16:05	06/20/25 20:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/25 16:05	06/20/25 20:18	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>1</i> -Chlorooctane	123		70 - 130	06/20/25 16:05	06/20/25 20:18	1
<i>o</i> -Terphenyl	127		70 - 130	06/20/25 16:05	06/20/25 20:18	1

**Lab Sample ID: LCS 880-112709/2-A**  
**Matrix: Solid**  
**Analysis Batch: 112675**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 112709**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1086		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	114		70 - 130
<i>o</i> -Terphenyl	126		70 - 130

**Lab Sample ID: LCSD 880-112709/3-A**  
**Matrix: Solid**  
**Analysis Batch: 112675**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 112709**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1009		mg/Kg		101	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104	70 - 130	14	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	130		70 - 130
<i>o</i> -Terphenyl	121		70 - 130

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

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

Lab Sample ID: 890-8316-29 MS  
 Matrix: Solid  
 Analysis Batch: 112675

Client Sample ID: HA-6  
 Prep Type: Total/NA  
 Prep Batch: 112709

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	777.7		mg/Kg		78		70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	866.7		mg/Kg		85		70 - 130
Surrogate	MS	MS								
	%Recovery	Qualifier	Limits							
1-Chlorooctane	94		70 - 130							
o-Terphenyl	102		70 - 130							

Lab Sample ID: 890-8316-29 MSD  
 Matrix: Solid  
 Analysis Batch: 112675

Client Sample ID: HA-6  
 Prep Type: Total/NA  
 Prep Batch: 112709

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	797.7		mg/Kg		80		70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.7	U	999	814.9		mg/Kg		79		70 - 130	6	20
Surrogate	MSD	MSD										
	%Recovery	Qualifier	Limits									
1-Chlorooctane	108		70 - 130									
o-Terphenyl	99		70 - 130									

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

Lab Sample ID: MB 880-112663/1-A  
 Matrix: Solid  
 Analysis Batch: 112680

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			06/20/25 14:49	1

Lab Sample ID: LCS 880-112663/2-A  
 Matrix: Solid  
 Analysis Batch: 112680

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

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

Lab Sample ID: LCSD 880-112663/3-A  
 Matrix: Solid  
 Analysis Batch: 112680

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Chloride	250	245.8		mg/Kg		98		90 - 110	0	20

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8316-15 MS  
 Matrix: Solid  
 Analysis Batch: 112680

Client Sample ID: HA-3  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	395	F1	252	686.6	F1	mg/Kg		116	90 - 110

Lab Sample ID: 890-8316-15 MSD  
 Matrix: Solid  
 Analysis Batch: 112680

Client Sample ID: HA-3  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	395	F1	252	688.4	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: 890-8316-25 MS  
 Matrix: Solid  
 Analysis Batch: 112680

Client Sample ID: HA-5  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	149		250	419.3		mg/Kg		108	90 - 110

Lab Sample ID: 890-8316-25 MSD  
 Matrix: Solid  
 Analysis Batch: 112680

Client Sample ID: HA-5  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	149		250	420.8		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-112662/1-A  
 Matrix: Solid  
 Analysis Batch: 112681

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			06/21/25 01:00	1

Lab Sample ID: LCS 880-112662/2-A  
 Matrix: Solid  
 Analysis Batch: 112681

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-112662/3-A  
 Matrix: Solid  
 Analysis Batch: 112681

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-8316-10 MS  
 Matrix: Solid  
 Analysis Batch: 112681

Client Sample ID: HA-2  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	136	F1	252	418.3	F1	mg/Kg		112	90 - 110

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### QC Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
SDG: Eddy County, NM

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

Lab Sample ID: 890-8316-10 MSD  
Matrix: Solid  
Analysis Batch: 112681

Client Sample ID: HA-2  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	136	F1	252	414.9	F1	mg/Kg		111	90 - 110	1	20

- 1
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- 13
- 14

## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

## GC VOA

## Analysis Batch: 112654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-1	HA-1	Total/NA	Solid	8021B	112665
890-8316-2	HA-1	Total/NA	Solid	8021B	112665
890-8316-3	HA-1	Total/NA	Solid	8021B	112665
890-8316-4	HA-1	Total/NA	Solid	8021B	112665
890-8316-5	HA-1	Total/NA	Solid	8021B	112665
890-8316-6	HA-2	Total/NA	Solid	8021B	112665
890-8316-7	HA-2	Total/NA	Solid	8021B	112665
890-8316-8	HA-2	Total/NA	Solid	8021B	112665
890-8316-9	HA-2	Total/NA	Solid	8021B	112665
890-8316-10	HA-2	Total/NA	Solid	8021B	112665
MB 880-112665/5-A	Method Blank	Total/NA	Solid	8021B	112665
LCS 880-112665/1-A	Lab Control Sample	Total/NA	Solid	8021B	112665
LCSD 880-112665/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112665

## Analysis Batch: 112655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-11	HA-3	Total/NA	Solid	8021B	112667
890-8316-12	HA-3	Total/NA	Solid	8021B	112667
890-8316-13	HA-3	Total/NA	Solid	8021B	112667
890-8316-14	HA-3	Total/NA	Solid	8021B	112667
890-8316-15	HA-3	Total/NA	Solid	8021B	112667
890-8316-16	HA-4	Total/NA	Solid	8021B	112667
890-8316-17	HA-4	Total/NA	Solid	8021B	112667
890-8316-18	HA-4	Total/NA	Solid	8021B	112667
890-8316-19	HA-4	Total/NA	Solid	8021B	112667
890-8316-20	HA-4	Total/NA	Solid	8021B	112667
MB 880-112667/5-A	Method Blank	Total/NA	Solid	8021B	112667
LCS 880-112667/1-A	Lab Control Sample	Total/NA	Solid	8021B	112667
LCSD 880-112667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112667

## Analysis Batch: 112656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-21	HA-5	Total/NA	Solid	8021B	112668
890-8316-22	HA-5	Total/NA	Solid	8021B	112668
890-8316-23	HA-5	Total/NA	Solid	8021B	112668
890-8316-24	HA-5	Total/NA	Solid	8021B	112668
890-8316-25	HA-5	Total/NA	Solid	8021B	112668
890-8316-26	HA-6	Total/NA	Solid	8021B	112668
890-8316-27	HA-6	Total/NA	Solid	8021B	112668
890-8316-28	HA-6	Total/NA	Solid	8021B	112668
890-8316-29	HA-6	Total/NA	Solid	8021B	112668
890-8316-30	HA-6	Total/NA	Solid	8021B	112668
MB 880-112668/5-A	Method Blank	Total/NA	Solid	8021B	112668
LCS 880-112668/1-A	Lab Control Sample	Total/NA	Solid	8021B	112668
LCSD 880-112668/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112668

## Prep Batch: 112665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-1	HA-1	Total/NA	Solid	5035	
890-8316-2	HA-1	Total/NA	Solid	5035	
890-8316-3	HA-1	Total/NA	Solid	5035	

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### QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

#### GC VOA (Continued)

##### Prep Batch: 112665 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-4	HA-1	Total/NA	Solid	5035	
890-8316-5	HA-1	Total/NA	Solid	5035	
890-8316-6	HA-2	Total/NA	Solid	5035	
890-8316-7	HA-2	Total/NA	Solid	5035	
890-8316-8	HA-2	Total/NA	Solid	5035	
890-8316-9	HA-2	Total/NA	Solid	5035	
890-8316-10	HA-2	Total/NA	Solid	5035	
MB 880-112665/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112665/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112665/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

##### Prep Batch: 112667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-11	HA-3	Total/NA	Solid	5035	
890-8316-12	HA-3	Total/NA	Solid	5035	
890-8316-13	HA-3	Total/NA	Solid	5035	
890-8316-14	HA-3	Total/NA	Solid	5035	
890-8316-15	HA-3	Total/NA	Solid	5035	
890-8316-16	HA-4	Total/NA	Solid	5035	
890-8316-17	HA-4	Total/NA	Solid	5035	
890-8316-18	HA-4	Total/NA	Solid	5035	
890-8316-19	HA-4	Total/NA	Solid	5035	
890-8316-20	HA-4	Total/NA	Solid	5035	
MB 880-112667/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112667/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112667/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

##### Prep Batch: 112668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-21	HA-5	Total/NA	Solid	5035	
890-8316-22	HA-5	Total/NA	Solid	5035	
890-8316-23	HA-5	Total/NA	Solid	5035	
890-8316-24	HA-5	Total/NA	Solid	5035	
890-8316-25	HA-5	Total/NA	Solid	5035	
890-8316-26	HA-6	Total/NA	Solid	5035	
890-8316-27	HA-6	Total/NA	Solid	5035	
890-8316-28	HA-6	Total/NA	Solid	5035	
890-8316-29	HA-6	Total/NA	Solid	5035	
890-8316-30	HA-6	Total/NA	Solid	5035	
MB 880-112668/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112668/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112668/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

##### Analysis Batch: 112698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-1	HA-1	Total/NA	Solid	Total BTEX	
890-8316-2	HA-1	Total/NA	Solid	Total BTEX	
890-8316-3	HA-1	Total/NA	Solid	Total BTEX	
890-8316-4	HA-1	Total/NA	Solid	Total BTEX	
890-8316-5	HA-1	Total/NA	Solid	Total BTEX	
890-8316-6	HA-2	Total/NA	Solid	Total BTEX	

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### QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

#### GC VOA (Continued)

##### Analysis Batch: 112698 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-7	HA-2	Total/NA	Solid	Total BTEX	
890-8316-8	HA-2	Total/NA	Solid	Total BTEX	
890-8316-9	HA-2	Total/NA	Solid	Total BTEX	
890-8316-10	HA-2	Total/NA	Solid	Total BTEX	
890-8316-11	HA-3	Total/NA	Solid	Total BTEX	
890-8316-12	HA-3	Total/NA	Solid	Total BTEX	
890-8316-13	HA-3	Total/NA	Solid	Total BTEX	
890-8316-14	HA-3	Total/NA	Solid	Total BTEX	
890-8316-15	HA-3	Total/NA	Solid	Total BTEX	
890-8316-16	HA-4	Total/NA	Solid	Total BTEX	
890-8316-17	HA-4	Total/NA	Solid	Total BTEX	
890-8316-18	HA-4	Total/NA	Solid	Total BTEX	
890-8316-19	HA-4	Total/NA	Solid	Total BTEX	
890-8316-20	HA-4	Total/NA	Solid	Total BTEX	
890-8316-21	HA-5	Total/NA	Solid	Total BTEX	
890-8316-22	HA-5	Total/NA	Solid	Total BTEX	
890-8316-23	HA-5	Total/NA	Solid	Total BTEX	
890-8316-24	HA-5	Total/NA	Solid	Total BTEX	
890-8316-25	HA-5	Total/NA	Solid	Total BTEX	
890-8316-26	HA-6	Total/NA	Solid	Total BTEX	
890-8316-27	HA-6	Total/NA	Solid	Total BTEX	
890-8316-28	HA-6	Total/NA	Solid	Total BTEX	
890-8316-29	HA-6	Total/NA	Solid	Total BTEX	
890-8316-30	HA-6	Total/NA	Solid	Total BTEX	

#### GC Semi VOA

##### Prep Batch: 112651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-1	HA-1	Total/NA	Solid	8015NM Prep	
890-8316-2	HA-1	Total/NA	Solid	8015NM Prep	
890-8316-3	HA-1	Total/NA	Solid	8015NM Prep	
890-8316-4	HA-1	Total/NA	Solid	8015NM Prep	
890-8316-5	HA-1	Total/NA	Solid	8015NM Prep	
890-8316-6	HA-2	Total/NA	Solid	8015NM Prep	
890-8316-7	HA-2	Total/NA	Solid	8015NM Prep	
890-8316-8	HA-2	Total/NA	Solid	8015NM Prep	
890-8316-9	HA-2	Total/NA	Solid	8015NM Prep	
890-8316-10	HA-2	Total/NA	Solid	8015NM Prep	
890-8316-11	HA-3	Total/NA	Solid	8015NM Prep	
MB 880-112651/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112651/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

##### Prep Batch: 112664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-12	HA-3	Total/NA	Solid	8015NM Prep	
890-8316-13	HA-3	Total/NA	Solid	8015NM Prep	
890-8316-14	HA-3	Total/NA	Solid	8015NM Prep	
890-8316-15	HA-3	Total/NA	Solid	8015NM Prep	
890-8316-16	HA-4	Total/NA	Solid	8015NM Prep	

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### QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

#### GC Semi VOA (Continued)

##### Prep Batch: 112664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-17	HA-4	Total/NA	Solid	8015NM Prep	
890-8316-18	HA-4	Total/NA	Solid	8015NM Prep	
890-8316-19	HA-4	Total/NA	Solid	8015NM Prep	
890-8316-20	HA-4	Total/NA	Solid	8015NM Prep	
890-8316-21	HA-5	Total/NA	Solid	8015NM Prep	
890-8316-22	HA-5	Total/NA	Solid	8015NM Prep	
890-8316-23	HA-5	Total/NA	Solid	8015NM Prep	
890-8316-24	HA-5	Total/NA	Solid	8015NM Prep	
890-8316-25	HA-5	Total/NA	Solid	8015NM Prep	
890-8316-26	HA-6	Total/NA	Solid	8015NM Prep	
890-8316-27	HA-6	Total/NA	Solid	8015NM Prep	
890-8316-28	HA-6	Total/NA	Solid	8015NM Prep	
MB 880-112664/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112664/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-112664/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8316-12 MS	HA-3	Total/NA	Solid	8015NM Prep	
890-8316-12 MSD	HA-3	Total/NA	Solid	8015NM Prep	

##### Analysis Batch: 112675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-1	HA-1	Total/NA	Solid	8015B NM	112651
890-8316-2	HA-1	Total/NA	Solid	8015B NM	112651
890-8316-3	HA-1	Total/NA	Solid	8015B NM	112651
890-8316-4	HA-1	Total/NA	Solid	8015B NM	112651
890-8316-5	HA-1	Total/NA	Solid	8015B NM	112651
890-8316-6	HA-2	Total/NA	Solid	8015B NM	112651
890-8316-7	HA-2	Total/NA	Solid	8015B NM	112651
890-8316-8	HA-2	Total/NA	Solid	8015B NM	112651
890-8316-9	HA-2	Total/NA	Solid	8015B NM	112651
890-8316-10	HA-2	Total/NA	Solid	8015B NM	112651
890-8316-11	HA-3	Total/NA	Solid	8015B NM	112651
890-8316-12	HA-3	Total/NA	Solid	8015B NM	112664
890-8316-13	HA-3	Total/NA	Solid	8015B NM	112664
890-8316-14	HA-3	Total/NA	Solid	8015B NM	112664
890-8316-15	HA-3	Total/NA	Solid	8015B NM	112664
890-8316-16	HA-4	Total/NA	Solid	8015B NM	112664
890-8316-17	HA-4	Total/NA	Solid	8015B NM	112664
890-8316-18	HA-4	Total/NA	Solid	8015B NM	112664
890-8316-19	HA-4	Total/NA	Solid	8015B NM	112664
890-8316-20	HA-4	Total/NA	Solid	8015B NM	112664
890-8316-21	HA-5	Total/NA	Solid	8015B NM	112664
890-8316-22	HA-5	Total/NA	Solid	8015B NM	112664
890-8316-23	HA-5	Total/NA	Solid	8015B NM	112664
890-8316-24	HA-5	Total/NA	Solid	8015B NM	112664
890-8316-25	HA-5	Total/NA	Solid	8015B NM	112664
890-8316-26	HA-6	Total/NA	Solid	8015B NM	112664
890-8316-27	HA-6	Total/NA	Solid	8015B NM	112664
890-8316-28	HA-6	Total/NA	Solid	8015B NM	112664
890-8316-29	HA-6	Total/NA	Solid	8015B NM	112709
890-8316-30	HA-6	Total/NA	Solid	8015B NM	112709
MB 880-112651/1-A	Method Blank	Total/NA	Solid	8015B NM	112651

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 112675 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-112664/1-A	Method Blank	Total/NA	Solid	8015B NM	112664
MB 880-112709/1-A	Method Blank	Total/NA	Solid	8015B NM	112709
LCS 880-112651/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112651
LCS 880-112664/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112664
LCS 880-112709/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112709
LCSD 880-112651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112651
LCSD 880-112664/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112664
LCSD 880-112709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112709
890-8316-12 MS	HA-3	Total/NA	Solid	8015B NM	112664
890-8316-12 MSD	HA-3	Total/NA	Solid	8015B NM	112664
890-8316-29 MS	HA-6	Total/NA	Solid	8015B NM	112709
890-8316-29 MSD	HA-6	Total/NA	Solid	8015B NM	112709

## Prep Batch: 112709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-29	HA-6	Total/NA	Solid	8015NM Prep	
890-8316-30	HA-6	Total/NA	Solid	8015NM Prep	
MB 880-112709/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112709/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8316-29 MS	HA-6	Total/NA	Solid	8015NM Prep	
890-8316-29 MSD	HA-6	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 112737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-1	HA-1	Total/NA	Solid	8015 NM	
890-8316-2	HA-1	Total/NA	Solid	8015 NM	
890-8316-3	HA-1	Total/NA	Solid	8015 NM	
890-8316-4	HA-1	Total/NA	Solid	8015 NM	
890-8316-5	HA-1	Total/NA	Solid	8015 NM	
890-8316-6	HA-2	Total/NA	Solid	8015 NM	
890-8316-7	HA-2	Total/NA	Solid	8015 NM	
890-8316-8	HA-2	Total/NA	Solid	8015 NM	
890-8316-9	HA-2	Total/NA	Solid	8015 NM	
890-8316-10	HA-2	Total/NA	Solid	8015 NM	
890-8316-11	HA-3	Total/NA	Solid	8015 NM	
890-8316-12	HA-3	Total/NA	Solid	8015 NM	
890-8316-13	HA-3	Total/NA	Solid	8015 NM	
890-8316-14	HA-3	Total/NA	Solid	8015 NM	
890-8316-15	HA-3	Total/NA	Solid	8015 NM	
890-8316-16	HA-4	Total/NA	Solid	8015 NM	
890-8316-17	HA-4	Total/NA	Solid	8015 NM	
890-8316-18	HA-4	Total/NA	Solid	8015 NM	
890-8316-19	HA-4	Total/NA	Solid	8015 NM	
890-8316-20	HA-4	Total/NA	Solid	8015 NM	
890-8316-21	HA-5	Total/NA	Solid	8015 NM	
890-8316-22	HA-5	Total/NA	Solid	8015 NM	
890-8316-23	HA-5	Total/NA	Solid	8015 NM	
890-8316-24	HA-5	Total/NA	Solid	8015 NM	
890-8316-25	HA-5	Total/NA	Solid	8015 NM	
890-8316-26	HA-6	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

## GC Semi VOA (Continued)

## Analysis Batch: 112737 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-27	HA-6	Total/NA	Solid	8015 NM	
890-8316-28	HA-6	Total/NA	Solid	8015 NM	
890-8316-29	HA-6	Total/NA	Solid	8015 NM	
890-8316-30	HA-6	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 112662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-1	HA-1	Soluble	Solid	DI Leach	
890-8316-2	HA-1	Soluble	Solid	DI Leach	
890-8316-3	HA-1	Soluble	Solid	DI Leach	
890-8316-4	HA-1	Soluble	Solid	DI Leach	
890-8316-5	HA-1	Soluble	Solid	DI Leach	
890-8316-6	HA-2	Soluble	Solid	DI Leach	
890-8316-7	HA-2	Soluble	Solid	DI Leach	
890-8316-8	HA-2	Soluble	Solid	DI Leach	
890-8316-9	HA-2	Soluble	Solid	DI Leach	
890-8316-10	HA-2	Soluble	Solid	DI Leach	
890-8316-11	HA-3	Soluble	Solid	DI Leach	
890-8316-12	HA-3	Soluble	Solid	DI Leach	
890-8316-13	HA-3	Soluble	Solid	DI Leach	
890-8316-14	HA-3	Soluble	Solid	DI Leach	
MB 880-112662/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112662/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112662/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8316-10 MS	HA-2	Soluble	Solid	DI Leach	
890-8316-10 MSD	HA-2	Soluble	Solid	DI Leach	

## Leach Batch: 112663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-15	HA-3	Soluble	Solid	DI Leach	
890-8316-16	HA-4	Soluble	Solid	DI Leach	
890-8316-17	HA-4	Soluble	Solid	DI Leach	
890-8316-18	HA-4	Soluble	Solid	DI Leach	
890-8316-19	HA-4	Soluble	Solid	DI Leach	
890-8316-20	HA-4	Soluble	Solid	DI Leach	
890-8316-21	HA-5	Soluble	Solid	DI Leach	
890-8316-22	HA-5	Soluble	Solid	DI Leach	
890-8316-23	HA-5	Soluble	Solid	DI Leach	
890-8316-24	HA-5	Soluble	Solid	DI Leach	
890-8316-25	HA-5	Soluble	Solid	DI Leach	
890-8316-26	HA-6	Soluble	Solid	DI Leach	
890-8316-27	HA-6	Soluble	Solid	DI Leach	
890-8316-28	HA-6	Soluble	Solid	DI Leach	
890-8316-29	HA-6	Soluble	Solid	DI Leach	
890-8316-30	HA-6	Soluble	Solid	DI Leach	
MB 880-112663/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-112663/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-112663/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8316-15 MS	HA-3	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

## HPLC/IC (Continued)

## Leach Batch: 112663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-15 MSD	HA-3	Soluble	Solid	DI Leach	
890-8316-25 MS	HA-5	Soluble	Solid	DI Leach	
890-8316-25 MSD	HA-5	Soluble	Solid	DI Leach	

## Analysis Batch: 112680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-15	HA-3	Soluble	Solid	300.0	112663
890-8316-16	HA-4	Soluble	Solid	300.0	112663
890-8316-17	HA-4	Soluble	Solid	300.0	112663
890-8316-18	HA-4	Soluble	Solid	300.0	112663
890-8316-19	HA-4	Soluble	Solid	300.0	112663
890-8316-20	HA-4	Soluble	Solid	300.0	112663
890-8316-21	HA-5	Soluble	Solid	300.0	112663
890-8316-22	HA-5	Soluble	Solid	300.0	112663
890-8316-23	HA-5	Soluble	Solid	300.0	112663
890-8316-24	HA-5	Soluble	Solid	300.0	112663
890-8316-25	HA-5	Soluble	Solid	300.0	112663
890-8316-26	HA-6	Soluble	Solid	300.0	112663
890-8316-27	HA-6	Soluble	Solid	300.0	112663
890-8316-28	HA-6	Soluble	Solid	300.0	112663
890-8316-29	HA-6	Soluble	Solid	300.0	112663
890-8316-30	HA-6	Soluble	Solid	300.0	112663
MB 880-112663/1-A	Method Blank	Soluble	Solid	300.0	112663
LCS 880-112663/2-A	Lab Control Sample	Soluble	Solid	300.0	112663
LCSD 880-112663/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112663
890-8316-15 MS	HA-3	Soluble	Solid	300.0	112663
890-8316-15 MSD	HA-3	Soluble	Solid	300.0	112663
890-8316-25 MS	HA-5	Soluble	Solid	300.0	112663
890-8316-25 MSD	HA-5	Soluble	Solid	300.0	112663

## Analysis Batch: 112681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8316-1	HA-1	Soluble	Solid	300.0	112662
890-8316-2	HA-1	Soluble	Solid	300.0	112662
890-8316-3	HA-1	Soluble	Solid	300.0	112662
890-8316-4	HA-1	Soluble	Solid	300.0	112662
890-8316-5	HA-1	Soluble	Solid	300.0	112662
890-8316-6	HA-2	Soluble	Solid	300.0	112662
890-8316-7	HA-2	Soluble	Solid	300.0	112662
890-8316-8	HA-2	Soluble	Solid	300.0	112662
890-8316-9	HA-2	Soluble	Solid	300.0	112662
890-8316-10	HA-2	Soluble	Solid	300.0	112662
890-8316-11	HA-3	Soluble	Solid	300.0	112662
890-8316-12	HA-3	Soluble	Solid	300.0	112662
890-8316-13	HA-3	Soluble	Solid	300.0	112662
890-8316-14	HA-3	Soluble	Solid	300.0	112662
MB 880-112662/1-A	Method Blank	Soluble	Solid	300.0	112662
LCS 880-112662/2-A	Lab Control Sample	Soluble	Solid	300.0	112662
LCSD 880-112662/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	112662
890-8316-10 MS	HA-2	Soluble	Solid	300.0	112662
890-8316-10 MSD	HA-2	Soluble	Solid	300.0	112662

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-1**

Date Collected: 06/18/25 13:00

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 12:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 15:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 15:57	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		5			112681	06/21/25 01:43	CS	EET MID

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-2**

Date Collected: 06/18/25 13:05

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 13:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 16:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 16:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 01:50	CS	EET MID

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-3**

Date Collected: 06/18/25 13:10

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 13:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 16:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 16:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 01:57	CS	EET MID

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-4**

Date Collected: 06/18/25 13:15

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 13:56	SA	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-4**

Date Collected: 06/18/25 13:15

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			112737	06/20/25 17:03	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 17:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 02:04	CS	EET MID

**Client Sample ID: HA-1**

**Lab Sample ID: 890-8316-5**

Date Collected: 06/18/25 13:20

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 14:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 17:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 17:20	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 02:26	CS	EET MID

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-6**

Date Collected: 06/18/25 13:25

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 14:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 17:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 17:36	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		5			112681	06/21/25 02:33	CS	EET MID

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-7**

Date Collected: 06/18/25 13:30

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 14:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 17:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 17:52	TKC	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-7**

Date Collected: 06/18/25 13:30

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		5			112681	06/21/25 02:40	CS	EET MID

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-8**

Date Collected: 06/18/25 13:35

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 16:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 16:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 18:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 18:09	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 02:47	CS	EET MID

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-9**

Date Collected: 06/18/25 13:40

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 16:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 18:25	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 18:25	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 02:54	CS	EET MID

**Client Sample ID: HA-2**

**Lab Sample ID: 890-8316-10**

Date Collected: 06/18/25 13:45

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112665	06/20/25 09:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112654	06/20/25 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 17:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 18:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 18:42	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 03:02	CS	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-11**

Date Collected: 06/18/25 13:50

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 18:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 18:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112651	06/20/25 08:03	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 18:58	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		5			112681	06/21/25 03:23	CS	EET MID

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-12**

Date Collected: 06/18/25 13:55

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 18:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 04:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 04:30	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		5			112681	06/21/25 03:30	CS	EET MID

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-13**

Date Collected: 06/18/25 14:00

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 18:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 05:20	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 05:20	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 03:52	CS	EET MID

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-14**

Date Collected: 06/18/25 14:05

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 19:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 19:03	SA	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-14**

Date Collected: 06/18/25 14:05

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			112737	06/21/25 05:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 05:35	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	112662	06/20/25 09:05	SA	EET MID
Soluble	Analysis	300.0		1			112681	06/21/25 03:59	CS	EET MID

**Client Sample ID: HA-3**

**Lab Sample ID: 890-8316-15**

Date Collected: 06/18/25 14:10

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 19:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 19:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 05:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 05:52	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 15:06	CS	EET MID

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-16**

Date Collected: 06/18/25 14:15

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 19:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 19:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 06:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 06:08	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 15:23	CS	EET MID

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-17**

Date Collected: 06/18/25 14:20

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 20:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 20:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 06:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 06:24	TKC	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-17**

Date Collected: 06/18/25 14:20

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 15:29	CS	EET MID

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-18**

Date Collected: 06/18/25 14:25

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 20:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 20:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 06:40	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 06:40	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 15:35	CS	EET MID

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-19**

Date Collected: 06/18/25 14:30

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 20:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 20:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 06:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 06:56	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 15:40	CS	EET MID

**Client Sample ID: HA-4**

**Lab Sample ID: 890-8316-20**

Date Collected: 06/18/25 14:35

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112667	06/20/25 09:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112655	06/20/25 21:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 21:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 07:12	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 07:12	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 15:57	CS	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-21**

Date Collected: 06/18/25 14:40

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 14:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 07:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 07:28	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 16:03	CS	EET MID

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-22**

Date Collected: 06/18/25 14:45

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 16:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 08:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 08:01	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 16:09	CS	EET MID

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-23**

Date Collected: 06/18/25 14:50

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 17:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 08:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 08:19	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 16:14	CS	EET MID

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-24**

Date Collected: 06/18/25 14:55

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 17:23	SA	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-24**

Date Collected: 06/18/25 14:55

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			112737	06/21/25 08:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 08:35	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 16:55	CS	EET MID

**Client Sample ID: HA-5**

**Lab Sample ID: 890-8316-25**

Date Collected: 06/18/25 15:00

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 17:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 08:53	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 08:53	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 17:01	CS	EET MID

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-26**

Date Collected: 06/18/25 15:05

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 18:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 09:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 09:09	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 17:18	CS	EET MID

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-27**

Date Collected: 06/18/25 15:10

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 18:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 09:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 09:27	TKC	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-27**

Date Collected: 06/18/25 15:10

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 17:23	CS	EET MID

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-28**

Date Collected: 06/18/25 15:15

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 18:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/21/25 09:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112664	06/20/25 09:12	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/21/25 09:43	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 17:40	CS	EET MID

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-29**

Date Collected: 06/18/25 15:20

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 19:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 21:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112709	06/20/25 16:05	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 21:51	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 17:46	CS	EET MID

**Client Sample ID: HA-6**

**Lab Sample ID: 890-8316-30**

Date Collected: 06/18/25 15:25

Matrix: Solid

Date Received: 06/19/25 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112668	06/20/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112656	06/20/25 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			112698	06/20/25 19:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			112737	06/20/25 22:38	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	112709	06/20/25 16:05	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	112675	06/20/25 22:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	112663	06/20/25 09:06	SA	EET MID
Soluble	Analysis	300.0		1			112680	06/20/25 17:52	CS	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
SDG: Eddy County, NM

**Laboratory References:**

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

### Accreditation/Certification Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
SDG: Eddy County, NM

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

### Method Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
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



### Sample Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8316-1  
 SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8316-1	HA-1	Solid	06/18/25 13:00	06/19/25 14:25	0.5
890-8316-2	HA-1	Solid	06/18/25 13:05	06/19/25 14:25	1
890-8316-3	HA-1	Solid	06/18/25 13:10	06/19/25 14:25	2
890-8316-4	HA-1	Solid	06/18/25 13:15	06/19/25 14:25	3
890-8316-5	HA-1	Solid	06/18/25 13:20	06/19/25 14:25	4
890-8316-6	HA-2	Solid	06/18/25 13:25	06/19/25 14:25	0.5
890-8316-7	HA-2	Solid	06/18/25 13:30	06/19/25 14:25	1
890-8316-8	HA-2	Solid	06/18/25 13:35	06/19/25 14:25	2
890-8316-9	HA-2	Solid	06/18/25 13:40	06/19/25 14:25	3
890-8316-10	HA-2	Solid	06/18/25 13:45	06/19/25 14:25	4
890-8316-11	HA-3	Solid	06/18/25 13:50	06/19/25 14:25	0.5
890-8316-12	HA-3	Solid	06/18/25 13:55	06/19/25 14:25	1
890-8316-13	HA-3	Solid	06/18/25 14:00	06/19/25 14:25	2
890-8316-14	HA-3	Solid	06/18/25 14:05	06/19/25 14:25	3
890-8316-15	HA-3	Solid	06/18/25 14:10	06/19/25 14:25	4
890-8316-16	HA-4	Solid	06/18/25 14:15	06/19/25 14:25	0.5
890-8316-17	HA-4	Solid	06/18/25 14:20	06/19/25 14:25	1
890-8316-18	HA-4	Solid	06/18/25 14:25	06/19/25 14:25	2
890-8316-19	HA-4	Solid	06/18/25 14:30	06/19/25 14:25	3
890-8316-20	HA-4	Solid	06/18/25 14:35	06/19/25 14:25	4
890-8316-21	HA-5	Solid	06/18/25 14:40	06/19/25 14:25	0.5
890-8316-22	HA-5	Solid	06/18/25 14:45	06/19/25 14:25	1
890-8316-23	HA-5	Solid	06/18/25 14:50	06/19/25 14:25	2
890-8316-24	HA-5	Solid	06/18/25 14:55	06/19/25 14:25	3
890-8316-25	HA-5	Solid	06/18/25 15:00	06/19/25 14:25	4
890-8316-26	HA-6	Solid	06/18/25 15:05	06/19/25 14:25	0.5
890-8316-27	HA-6	Solid	06/18/25 15:10	06/19/25 14:25	1
890-8316-28	HA-6	Solid	06/18/25 15:15	06/19/25 14:25	2
890-8316-29	HA-6	Solid	06/18/25 15:20	06/19/25 14:25	3
890-8316-30	HA-6	Solid	06/18/25 15:25	06/19/25 14:25	4

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

### Chain of Custody



890-5316 Chain of Custody

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Page

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

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Todd 36 State #715H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Press. Code		ANALYSIS REQUEST		Preservative Codes	None: NO <input type="checkbox"/> DI Water: H <sub>2</sub> O
Project Number:	VP- 575	Due Date:	Standard TAT					Cool: Cool	MeOH: Me
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm							
Sampler's Name:	Santiago Giron	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			HCL: HC	HNO <sub>3</sub> : HN
POWO #:	21614004	Thermometer ID:						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
<b>SAMPLE RECEIPT</b>		Temperature Reading:						H <sub>3</sub> PO <sub>4</sub> : HP	
Samplers Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:						NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Factor:						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:						Zn: Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:						NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH	Chloride	BTEX	TDS	Cation/ Anion	Hold	24 Hr Rush	Sample Comments
HA-1	S	6:18:25	13:00	0.5	Grab/	1	X	X	X					Incident Number nAPP2516155409
HA-1	S	6:18:25	13:05	1	Grab/	1	X	X	X					
HA-1	S	6:18:25	13:10	2	Grab/	1	X	X	X					
HA-1	S	6:18:25	13:15	3	Grab/	1	X	X	X					
HA-1	S	6:18:25	13:20	4	Grab/	1	X	X	X					
HA-2	S	6:18:25	13:25	0.5	Grab/	1	X	X	X					
HA-2	S	6:18:25	13:30	1	Grab/	1	X	X	X					
HA-2	S	6:18:25	13:35	2	Grab/	1	X	X	X					
HA-2	S	6:18:25	13:40	3	Grab/	1	X	X	X					

Total 200.7 / 6010    200.8 / 6020:    BRGRRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed    BRGRRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

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<i>C. Davis</i>	<i>alpha</i>	6/19 2:22			



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

Work Order No: \_\_\_\_\_

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

Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Project Name:	Todd 36 State #715H	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	VP-575	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		TPH	Chloride	BTEX	TDS	Cation/ Anion	Hold	24 Hr Rush						None: NO	DI Water: H <sub>2</sub> O
Project Location:	Eddy County, NM	Due Date:	Standard TAT												COOL: COOL	MeOH: Me	
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO <sub>3</sub> : HN	
POWVO #:	21614004	Temp Blank:	Yes/No												H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes/No	Wet Ice:												H <sub>3</sub> PO <sub>4</sub> : HP		
	Samples Received Intact:	Yes/No	Thermometer ID:												NaHSO <sub>4</sub> : NABIS		
	Cooler Custody Seals:	Yes/No	Correction Factor:												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub>		
	Sample Custody Seals:	Yes/No	Temperature Reading:												Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:												NaOH+Ascorbic Acid: SAPC			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH	Chloride	BTEX	TDS	Cation/ Anion	Hold	24 Hr Rush	Sample Comments	Incident Number		
HA-2	S	6:18:25	13:45	4	Grab/1	1	X	X	X						nAPP2516155409		
HA-3	S	6:18:25	13:50	0.5	Grab/1	1	X	X	X								
HA-3	S	6:18:25	13:55	1	Grab/1	1	X	X	X								
HA-3	S	6:18:25	14:00	2	Grab/1	1	X	X	X								
HA-3	S	6:18:25	14:05	3	Grab/1	1	X	X	X								
HA-3	S	6:18:25	14:10	4	Grab/1	1	X	X	X								
HA-4	S	6:18:25	14:15	0.5	Grab/1	1	X	X	X								
HA-4	S	6:18:25	14:20	1	Grab/1	1	X	X	X								
HA-4	S	6:18:25	14:25	2	Grab/1	1	X	X	X								

Total 200.7 / 6010 200.8 / 6020: 8RCRFA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

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Work Order No:

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

Program: UST/PST <input type="checkbox"/> PRRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Todd 36 State #715H	Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	VP- 575	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			None: NO DI Water: H <sub>2</sub> O
Project Location:	Eddy County, NM	Due Date:	Standard TAT		COOL: COOL MeOH: Me
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm			HCL: HC HNO <sub>3</sub> : HN
POWMO #:	21614004	Temp Blank:	Yes No	Wet Ice:	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH	Chloride	BTEX	TDS	Cation/ Anion	Hold	24 Hr Rush	Sample Comments
HA-4	S	6.18.25	14:30	3	Grab/1	1	X	X	X					
HA-4	S	6.18.25	14:35	4	Grab/1	1	X	X	X					
HA-5	S	6.18.25	14:40	0.5	Grab/1	1	X	X	X					
HA-5	S	6.18.25	14:45	1	Grab/1	1	X	X	X					
HA-5	S	6.18.25	14:50	2	Grab/1	1	X	X	X					
HA-5	S	6.18.25	14:55	3	Grab/1	1	X	X	X					
HA-5	S	6.18.25	15:00	4	Grab/1	1	X	X	X					
HA-6	S	6.18.25	15:05	0.5	Grab/1	1	X	X	X					
HA-6	S	6.18.25	15:10	1	Grab/1	1	X	X	X					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Hg: 1631 / 245.1 / 7470 / 7471

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

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<i>[Signature]</i>	<i>[Signature]</i>	7:22 6/18			

### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8316-1  
SDG Number: Eddy County, NM

**Login Number: 8316**

**List Number: 1**

**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8316-1  
SDG Number: Eddy County, NM

**Login Number: 8316**  
**List Number: 2**  
**Creator: Vasquez, Julisa**

**List Source: Eurofins Midland**  
**List Creation: 06/20/25 08:23 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 7/1/2025 12:59:18 PM

## JOB DESCRIPTION

Todd 36 State #715H  
 Eddy County, NM

## JOB NUMBER

890-8350-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



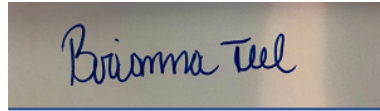
# Eurofins Carlsbad

## 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



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

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Laboratory Job ID: 890-8350-1  
SDG: Eddy County, NM

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## Definitions/Glossary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
SDG: Eddy County, NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

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

### Case Narrative

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-8350-1

**Job ID: 890-8350-1**

**Eurofins Carlsbad**

#### Job Narrative 890-8350-1

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 6/24/2025 2:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.6°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 7 (890-8350-1), HA - 7 (890-8350-2), HA - 7A (890-8350-3), HA - 8 (890-8350-4), HA - 8 (890-8350-5), HA - 8 (890-8350-6), HA - 8A (890-8350-7), HA - 9 (890-8350-8), HA - 9 (890-8350-9), HA - 10 (890-8350-10), HA - 10 (890-8350-11), HA - 11 (890-8350-12), HA - 11 (890-8350-13), HA - 12 (890-8350-14) and HA - 12 (890-8350-15).

#### GC VOA

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

#### Diesel Range Organics

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

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113011 and analytical batch 880-113072 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 7**

**Lab Sample ID: 890-8350-1**

Date Collected: 06/24/25 11:00

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/25 09:14	06/25/25 16:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/25 09:14	06/25/25 16:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/25 09:14	06/25/25 16:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/25 09:14	06/25/25 16:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/25 09:14	06/25/25 16:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/25 09:14	06/25/25 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/25/25 09:14	06/25/25 16:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130	06/25/25 09:14	06/25/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/25 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 12:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 12:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/24/25 15:42	06/30/25 12:02	1
o-Terphenyl	85		70 - 130	06/24/25 15:42	06/30/25 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		10.0		mg/Kg			06/26/25 05:20	1

**Client Sample ID: HA - 7**

**Lab Sample ID: 890-8350-2**

Date Collected: 06/24/25 11:05

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/25/25 09:14	06/25/25 16:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/25/25 09:14	06/25/25 16:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/25/25 09:14	06/25/25 16:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/25/25 09:14	06/25/25 16:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/25/25 09:14	06/25/25 16:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/25/25 09:14	06/25/25 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/25/25 09:14	06/25/25 16:43	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 7**

**Lab Sample ID: 890-8350-2**

Date Collected: 06/24/25 11:05

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	06/25/25 09:14	06/25/25 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/25/25 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/25 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/25 15:42	06/30/25 12:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/25 15:42	06/30/25 12:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/25 15:42	06/30/25 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	06/24/25 15:42	06/30/25 12:18	1
o-Terphenyl	81		70 - 130	06/24/25 15:42	06/30/25 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		10.1		mg/Kg			06/26/25 05:41	1

**Client Sample ID: HA - 7A**

**Lab Sample ID: 890-8350-3**

Date Collected: 06/24/25 11:10

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 17:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 17:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 17:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/25 09:14	06/25/25 17:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 17:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/25 09:14	06/25/25 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/25/25 09:14	06/25/25 17:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/25/25 09:14	06/25/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/25 12:35	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 7A**

**Lab Sample ID: 890-8350-3**

Date Collected: 06/24/25 11:10

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 12:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 12:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/24/25 15:42	06/30/25 12:35	1
o-Terphenyl	95		70 - 130				06/24/25 15:42	06/30/25 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		9.92		mg/Kg			06/26/25 05:48	1

**Client Sample ID: HA - 8**

**Lab Sample ID: 890-8350-4**

Date Collected: 06/24/25 11:15

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 17:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 17:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 17:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/25 09:14	06/25/25 17:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 17:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/25 09:14	06/25/25 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				06/25/25 09:14	06/25/25 17:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/25/25 09:14	06/25/25 17:24	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			06/25/25 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/30/25 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 12:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 12:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 12:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/24/25 15:42	06/30/25 12:51	1
o-Terphenyl	87		70 - 130				06/24/25 15:42	06/30/25 12:51	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 8**

**Lab Sample ID: 890-8350-4**

Date Collected: 06/24/25 11:15

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	648		9.96		mg/Kg			06/26/25 05:55	1

**Client Sample ID: HA - 8**

**Lab Sample ID: 890-8350-5**

Date Collected: 06/24/25 11:20

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/25 09:14	06/25/25 17:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/25 09:14	06/25/25 17:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/25 09:14	06/25/25 17:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/25 09:14	06/25/25 17:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/25 09:14	06/25/25 17:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/25 09:14	06/25/25 17:44	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	92		70 - 130				06/25/25 09:14	06/25/25 17:44	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/25/25 09:14	06/25/25 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/25 17:44	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			06/30/25 13:08	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		06/24/25 15:42	06/30/25 13:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/24/25 15:42	06/30/25 13:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/24/25 15:42	06/30/25 13:08	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	88		70 - 130				06/24/25 15:42	06/30/25 13:08	1
o-Terphenyl	81		70 - 130				06/24/25 15:42	06/30/25 13:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.3		9.92		mg/Kg			06/26/25 06:03	1

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 8**

**Lab Sample ID: 890-8350-6**

Date Collected: 06/24/25 11:25

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/25/25 09:14	06/25/25 18:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/25/25 09:14	06/25/25 18:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/25/25 09:14	06/25/25 18:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/25/25 09:14	06/25/25 18:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/25/25 09:14	06/25/25 18:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/25/25 09:14	06/25/25 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/25/25 09:14	06/25/25 18:05	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/25/25 09:14	06/25/25 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/25/25 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/25 13:25	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	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 13:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 13:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/24/25 15:42	06/30/25 13:25	1
o-Terphenyl	81		70 - 130	06/24/25 15:42	06/30/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.5		10.0		mg/Kg			06/26/25 06:24	1

**Client Sample ID: HA - 8A**

**Lab Sample ID: 890-8350-7**

Date Collected: 06/24/25 11:30

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 18:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 18:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 18:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/25 09:14	06/25/25 18:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 18:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/25 09:14	06/25/25 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/25/25 09:14	06/25/25 18:25	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 8A**

**Lab Sample ID: 890-8350-7**

Date Collected: 06/24/25 11:30

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	06/25/25 09:14	06/25/25 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/30/25 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 13:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 13:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/24/25 15:42	06/30/25 13:41	1
o-Terphenyl	88		70 - 130	06/24/25 15:42	06/30/25 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	279		10.0		mg/Kg			06/26/25 06:31	1

**Client Sample ID: HA - 9**

**Lab Sample ID: 890-8350-8**

Date Collected: 06/24/25 11:35

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 18:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 18:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 18:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/25/25 09:14	06/25/25 18:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 18:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/25/25 09:14	06/25/25 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/25/25 09:14	06/25/25 18:46	1
1,4-Difluorobenzene (Surr)	105		70 - 130	06/25/25 09:14	06/25/25 18:46	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			06/25/25 18:46	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			06/30/25 13:58	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 9**

**Lab Sample ID: 890-8350-8**

Date Collected: 06/24/25 11:35

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/24/25 15:42	06/30/25 13:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/24/25 15:42	06/30/25 13:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/24/25 15:42	06/30/25 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/24/25 15:42	06/30/25 13:58	1
o-Terphenyl	81		70 - 130				06/24/25 15:42	06/30/25 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		9.94		mg/Kg			06/26/25 06:39	1

**Client Sample ID: HA - 9**

**Lab Sample ID: 890-8350-9**

Date Collected: 06/24/25 11:40

Matrix: Solid

Date Received: 06/24/25 14:23

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		06/25/25 09:14	06/25/25 19:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 19:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 19:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/25 09:14	06/25/25 19:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 19:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/25 09:14	06/25/25 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				06/25/25 09:14	06/25/25 19:06	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/25/25 09:14	06/25/25 19:06	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			06/25/25 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/25 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/25 15:42	06/30/25 14:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/25 15:42	06/30/25 14:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/25 15:42	06/30/25 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/24/25 15:42	06/30/25 14:14	1
o-Terphenyl	93		70 - 130				06/24/25 15:42	06/30/25 14:14	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 9**

**Lab Sample ID: 890-8350-9**

Date Collected: 06/24/25 11:40

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.7		9.92		mg/Kg			06/26/25 06:46	1

**Client Sample ID: HA - 10**

**Lab Sample ID: 890-8350-10**

Date Collected: 06/24/25 11:45

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 19:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 19:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 19:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/25 09:14	06/25/25 19:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:14	06/25/25 19:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/25 09:14	06/25/25 19:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	96		70 - 130				06/25/25 09:14	06/25/25 19:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/25/25 09:14	06/25/25 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/25 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 14:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 14:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 14:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	88		70 - 130				06/24/25 15:42	06/30/25 14:47	1
o-Terphenyl	86		70 - 130				06/24/25 15:42	06/30/25 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		9.96		mg/Kg			06/26/25 06:53	1

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 10**

**Lab Sample ID: 890-8350-11**

Date Collected: 06/24/25 11:50

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:28	06/25/25 18:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:28	06/25/25 18:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:28	06/25/25 18:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/25 09:28	06/25/25 18:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:28	06/25/25 18:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/25 09:28	06/25/25 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/25/25 09:28	06/25/25 18:54	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/25/25 09:28	06/25/25 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/30/25 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 15:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 15:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/24/25 15:42	06/30/25 15:03	1
o-Terphenyl	83		70 - 130	06/24/25 15:42	06/30/25 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.5		9.92		mg/Kg			06/26/25 07:00	1

**Client Sample ID: HA - 11**

**Lab Sample ID: 890-8350-12**

Date Collected: 06/24/25 11:55

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:28	06/25/25 19:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:28	06/25/25 19:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:28	06/25/25 19:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/25/25 09:28	06/25/25 19:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:28	06/25/25 19:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/25/25 09:28	06/25/25 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/25/25 09:28	06/25/25 19:14	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 11**

**Lab Sample ID: 890-8350-12**

Date Collected: 06/24/25 11:55

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	06/25/25 09:28	06/25/25 19:14	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			06/25/25 19:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/25 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 15:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 15:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/24/25 15:42	06/30/25 15:20	1
o-Terphenyl	95		70 - 130	06/24/25 15:42	06/30/25 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		10.0		mg/Kg			06/26/25 07:22	1

**Client Sample ID: HA - 11**

**Lab Sample ID: 890-8350-13**

Date Collected: 06/24/25 12:00

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/25/25 09:28	06/25/25 19:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/25/25 09:28	06/25/25 19:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/25/25 09:28	06/25/25 19:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/25/25 09:28	06/25/25 19:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/25/25 09:28	06/25/25 19:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/25/25 09:28	06/25/25 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/25/25 09:28	06/25/25 19:35	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/25/25 09:28	06/25/25 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/25/25 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/30/25 15:36	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 11**

**Lab Sample ID: 890-8350-13**

Date Collected: 06/24/25 12:00

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 2

**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		06/24/25 15:42	06/30/25 15:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/25 15:42	06/30/25 15:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/25 15:42	06/30/25 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				06/24/25 15:42	06/30/25 15:36	1
o-Terphenyl	100		70 - 130				06/24/25 15:42	06/30/25 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	263		10.1		mg/Kg			06/26/25 07:29	1

**Client Sample ID: HA - 12**

**Lab Sample ID: 890-8350-14**

Date Collected: 06/24/25 12:05

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:18	06/25/25 19:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:18	06/25/25 19:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:18	06/25/25 19:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/25/25 09:18	06/25/25 19:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/25 09:18	06/25/25 19:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/25/25 09:18	06/25/25 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				06/25/25 09:18	06/25/25 19:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/25/25 09:18	06/25/25 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/30/25 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 15:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 15:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/24/25 15:42	06/30/25 15:52	1
o-Terphenyl	82		70 - 130				06/24/25 15:42	06/30/25 15:52	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 12**

**Lab Sample ID: 890-8350-14**

Date Collected: 06/24/25 12:05

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		9.96		mg/Kg			06/26/25 07:50	1

**Client Sample ID: HA - 12**

**Lab Sample ID: 890-8350-15**

Date Collected: 06/24/25 12:10

Matrix: Solid

Date Received: 06/24/25 14:23

Sample Depth: 1

**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		06/25/25 09:18	06/25/25 19:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:18	06/25/25 19:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:18	06/25/25 19:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/25 09:18	06/25/25 19:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:18	06/25/25 19:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/25 09:18	06/25/25 19:55	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	123		70 - 130				06/25/25 09:18	06/25/25 19:55	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/25/25 09:18	06/25/25 19:55	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			06/25/25 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/30/25 16:08	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	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 16:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 16:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/25 15:42	06/30/25 16:08	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	85		70 - 130				06/24/25 15:42	06/30/25 16:08	1
o-Terphenyl	81		70 - 130				06/24/25 15:42	06/30/25 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		10.1		mg/Kg			06/26/25 07:58	1

### Surrogate Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-8350-1	HA - 7	110	87
890-8350-2	HA - 7	91	100
890-8350-3	HA - 7A	93	97
890-8350-4	HA - 8	92	96
890-8350-5	HA - 8	92	96
890-8350-6	HA - 8	90	97
890-8350-7	HA - 8A	92	98
890-8350-8	HA - 9	91	105
890-8350-9	HA - 9	94	91
890-8350-10	HA - 10	96	97
890-8350-11	HA - 10	103	98
890-8350-12	HA - 11	104	100
890-8350-13	HA - 11	103	96
890-8350-14	HA - 12	119	92
890-8350-15	HA - 12	123	92
LCS 880-112986/1-A	Lab Control Sample	95	97
LCS 880-112987/1-A	Lab Control Sample	103	91
LCS 880-112988/1-A	Lab Control Sample	84	88
LCSD 880-112986/2-A	Lab Control Sample Dup	99	99
LCSD 880-112987/2-A	Lab Control Sample Dup	108	89
LCSD 880-112988/2-A	Lab Control Sample Dup	87	89
MB 880-112986/5-A	Method Blank	104	89
MB 880-112987/5-A	Method Blank	111	88
MB 880-112988/5-A	Method Blank	96	96

**Surrogate Legend**

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8350-1	HA - 7	89	85
890-8350-2	HA - 7	86	81
890-8350-3	HA - 7A	100	95
890-8350-4	HA - 8	91	87
890-8350-5	HA - 8	88	81
890-8350-6	HA - 8	87	81
890-8350-7	HA - 8A	88	88
890-8350-8	HA - 9	87	81
890-8350-9	HA - 9	99	93
890-8350-10	HA - 10	88	86
890-8350-11	HA - 10	84	83
890-8350-12	HA - 11	98	95
890-8350-13	HA - 11	102	100
890-8350-14	HA - 12	88	82
890-8350-15	HA - 12	85	81

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### Surrogate Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
SDG: Eddy County, NM

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

**Matrix: Solid**

**Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-112947/2-A	Lab Control Sample	102	110
LCS 880-112947/3-A	Lab Control Sample Dup	104	111
MB 880-112947/1-A	Method Blank	93	98

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-112986/5-A  
 Matrix: Solid  
 Analysis Batch: 112976

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/25 09:14	06/25/25 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:14	06/25/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/25 09:14	06/25/25 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/25/25 09:14	06/25/25 11:21	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/25/25 09:14	06/25/25 11:21	1

Lab Sample ID: LCS 880-112986/1-A  
 Matrix: Solid  
 Analysis Batch: 112976

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 112986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1101		mg/Kg		110	70 - 130
Toluene	0.100	0.09645		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.1012		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2101		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1040		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-112986/2-A  
 Matrix: Solid  
 Analysis Batch: 112976

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 112986

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1119		mg/Kg		112	70 - 130	2	35
Toluene	0.100	0.1003		mg/Kg		100	70 - 130	4	35
Ethylbenzene	0.100	0.1058		mg/Kg		106	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2199		mg/Kg		110	70 - 130	5	35
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130	5	35

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

Lab Sample ID: MB 880-112987/5-A  
 Matrix: Solid  
 Analysis Batch: 112975

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:18	06/25/25 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:18	06/25/25 11:51	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

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

**Lab Sample ID: MB 880-112987/5-A**  
**Matrix: Solid**  
**Analysis Batch: 112975**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 112987**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:18	06/25/25 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/25 09:18	06/25/25 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:18	06/25/25 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/25 09:18	06/25/25 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/25/25 09:18	06/25/25 11:51	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/25/25 09:18	06/25/25 11:51	1

**Lab Sample ID: LCS 880-112987/1-A**  
**Matrix: Solid**  
**Analysis Batch: 112975**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 112987**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1277		mg/Kg		128	70 - 130
Toluene	0.100	0.1044		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1093		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2168		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

**Lab Sample ID: LCSD 880-112987/2-A**  
**Matrix: Solid**  
**Analysis Batch: 112975**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 112987**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1224		mg/Kg		122	70 - 130	4	35
Toluene	0.100	0.09953		mg/Kg		100	70 - 130	5	35
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2055		mg/Kg		103	70 - 130	5	35
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

**Lab Sample ID: MB 880-112988/5-A**  
**Matrix: Solid**  
**Analysis Batch: 112974**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 112988**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:28	06/25/25 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:28	06/25/25 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:28	06/25/25 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/25 09:28	06/25/25 11:42	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-112988/5-A  
 Matrix: Solid  
 Analysis Batch: 112974

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112988

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/25 09:28	06/25/25 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/25 09:28	06/25/25 11:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	96		70 - 130	06/25/25 09:28	06/25/25 11:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/25/25 09:28	06/25/25 11:42	1

Lab Sample ID: LCS 880-112988/1-A  
 Matrix: Solid  
 Analysis Batch: 112974

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 112988

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1046		mg/Kg		105	70 - 130
Toluene	0.100	0.09112		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09452		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1921		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09674		mg/Kg		97	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-112988/2-A  
 Matrix: Solid  
 Analysis Batch: 112974

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 112988

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.1056		mg/Kg		106	70 - 130	1	35
Toluene	0.100	0.09348		mg/Kg		93	70 - 130	3	35
Ethylbenzene	0.100	0.09755		mg/Kg		98	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1978		mg/Kg		99	70 - 130	3	35
o-Xylene	0.100	0.09932		mg/Kg		99	70 - 130	3	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-112947/1-A  
 Matrix: Solid  
 Analysis Batch: 113310

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 112947

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 09:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 09:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:42	06/30/25 09:20	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	93		70 - 130	06/24/25 15:42	06/30/25 09:20	1
o-Terphenyl	98		70 - 130	06/24/25 15:42	06/30/25 09:20	1

Lab Sample ID: LCS 880-112947/2-A  
 Matrix: Solid  
 Analysis Batch: 113310

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 112947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	938.4		mg/Kg		94	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-112947/3-A  
 Matrix: Solid  
 Analysis Batch: 113310

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 112947

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	946.0		mg/Kg		95	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	111		70 - 130

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

Lab Sample ID: MB 880-113011/1-A  
 Matrix: Solid  
 Analysis Batch: 113072

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			06/26/25 04:58	1

Lab Sample ID: LCS 880-113011/2-A  
 Matrix: Solid  
 Analysis Batch: 113072

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

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

Lab Sample ID: LCSD 880-113011/3-A  
 Matrix: Solid  
 Analysis Batch: 113072

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

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

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

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

**Lab Sample ID: 890-8350-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 113072**

**Client Sample ID: HA - 7**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1120		251	1354	4	mg/Kg		92	90 - 110

**Lab Sample ID: 890-8350-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 113072**

**Client Sample ID: HA - 7**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1120		251	1334	4	mg/Kg		84	90 - 110	1	20

**Lab Sample ID: 890-8350-11 MS**  
**Matrix: Solid**  
**Analysis Batch: 113072**

**Client Sample ID: HA - 10**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	94.5		248	354.2		mg/Kg		105	90 - 110

**Lab Sample ID: 890-8350-11 MSD**  
**Matrix: Solid**  
**Analysis Batch: 113072**

**Client Sample ID: HA - 10**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	94.5		248	350.3		mg/Kg		103	90 - 110	1	20

### QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

#### GC VOA

##### Analysis Batch: 112974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-11	HA - 10	Total/NA	Solid	8021B	112988
890-8350-12	HA - 11	Total/NA	Solid	8021B	112988
890-8350-13	HA - 11	Total/NA	Solid	8021B	112988
MB 880-112988/5-A	Method Blank	Total/NA	Solid	8021B	112988
LCS 880-112988/1-A	Lab Control Sample	Total/NA	Solid	8021B	112988
LCSD 880-112988/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112988

##### Analysis Batch: 112975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-14	HA - 12	Total/NA	Solid	8021B	112987
890-8350-15	HA - 12	Total/NA	Solid	8021B	112987
MB 880-112987/5-A	Method Blank	Total/NA	Solid	8021B	112987
LCS 880-112987/1-A	Lab Control Sample	Total/NA	Solid	8021B	112987
LCSD 880-112987/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112987

##### Analysis Batch: 112976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-1	HA - 7	Total/NA	Solid	8021B	112986
890-8350-2	HA - 7	Total/NA	Solid	8021B	112986
890-8350-3	HA - 7A	Total/NA	Solid	8021B	112986
890-8350-4	HA - 8	Total/NA	Solid	8021B	112986
890-8350-5	HA - 8	Total/NA	Solid	8021B	112986
890-8350-6	HA - 8	Total/NA	Solid	8021B	112986
890-8350-7	HA - 8A	Total/NA	Solid	8021B	112986
890-8350-8	HA - 9	Total/NA	Solid	8021B	112986
890-8350-9	HA - 9	Total/NA	Solid	8021B	112986
890-8350-10	HA - 10	Total/NA	Solid	8021B	112986
MB 880-112986/5-A	Method Blank	Total/NA	Solid	8021B	112986
LCS 880-112986/1-A	Lab Control Sample	Total/NA	Solid	8021B	112986
LCSD 880-112986/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112986

##### Prep Batch: 112986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-1	HA - 7	Total/NA	Solid	5035	
890-8350-2	HA - 7	Total/NA	Solid	5035	
890-8350-3	HA - 7A	Total/NA	Solid	5035	
890-8350-4	HA - 8	Total/NA	Solid	5035	
890-8350-5	HA - 8	Total/NA	Solid	5035	
890-8350-6	HA - 8	Total/NA	Solid	5035	
890-8350-7	HA - 8A	Total/NA	Solid	5035	
890-8350-8	HA - 9	Total/NA	Solid	5035	
890-8350-9	HA - 9	Total/NA	Solid	5035	
890-8350-10	HA - 10	Total/NA	Solid	5035	
MB 880-112986/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112986/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112986/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

##### Prep Batch: 112987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-14	HA - 12	Total/NA	Solid	5035	
890-8350-15	HA - 12	Total/NA	Solid	5035	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

## GC VOA (Continued)

## Prep Batch: 112987 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-112987/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112987/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112987/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Prep Batch: 112988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-11	HA - 10	Total/NA	Solid	5035	
890-8350-12	HA - 11	Total/NA	Solid	5035	
890-8350-13	HA - 11	Total/NA	Solid	5035	
MB 880-112988/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112988/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112988/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 113141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-1	HA - 7	Total/NA	Solid	Total BTEX	
890-8350-2	HA - 7	Total/NA	Solid	Total BTEX	
890-8350-3	HA - 7A	Total/NA	Solid	Total BTEX	
890-8350-4	HA - 8	Total/NA	Solid	Total BTEX	
890-8350-5	HA - 8	Total/NA	Solid	Total BTEX	
890-8350-6	HA - 8	Total/NA	Solid	Total BTEX	
890-8350-7	HA - 8A	Total/NA	Solid	Total BTEX	
890-8350-8	HA - 9	Total/NA	Solid	Total BTEX	
890-8350-9	HA - 9	Total/NA	Solid	Total BTEX	
890-8350-10	HA - 10	Total/NA	Solid	Total BTEX	
890-8350-11	HA - 10	Total/NA	Solid	Total BTEX	
890-8350-12	HA - 11	Total/NA	Solid	Total BTEX	
890-8350-13	HA - 11	Total/NA	Solid	Total BTEX	
890-8350-14	HA - 12	Total/NA	Solid	Total BTEX	
890-8350-15	HA - 12	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 112947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-1	HA - 7	Total/NA	Solid	8015NM Prep	
890-8350-2	HA - 7	Total/NA	Solid	8015NM Prep	
890-8350-3	HA - 7A	Total/NA	Solid	8015NM Prep	
890-8350-4	HA - 8	Total/NA	Solid	8015NM Prep	
890-8350-5	HA - 8	Total/NA	Solid	8015NM Prep	
890-8350-6	HA - 8	Total/NA	Solid	8015NM Prep	
890-8350-7	HA - 8A	Total/NA	Solid	8015NM Prep	
890-8350-8	HA - 9	Total/NA	Solid	8015NM Prep	
890-8350-9	HA - 9	Total/NA	Solid	8015NM Prep	
890-8350-10	HA - 10	Total/NA	Solid	8015NM Prep	
890-8350-11	HA - 10	Total/NA	Solid	8015NM Prep	
890-8350-12	HA - 11	Total/NA	Solid	8015NM Prep	
890-8350-13	HA - 11	Total/NA	Solid	8015NM Prep	
890-8350-14	HA - 12	Total/NA	Solid	8015NM Prep	
890-8350-15	HA - 12	Total/NA	Solid	8015NM Prep	
MB 880-112947/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

## GC Semi VOA (Continued)

## Prep Batch: 112947 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-112947/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 113310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-1	HA - 7	Total/NA	Solid	8015B NM	112947
890-8350-2	HA - 7	Total/NA	Solid	8015B NM	112947
890-8350-3	HA - 7A	Total/NA	Solid	8015B NM	112947
890-8350-4	HA - 8	Total/NA	Solid	8015B NM	112947
890-8350-5	HA - 8	Total/NA	Solid	8015B NM	112947
890-8350-6	HA - 8	Total/NA	Solid	8015B NM	112947
890-8350-7	HA - 8A	Total/NA	Solid	8015B NM	112947
890-8350-8	HA - 9	Total/NA	Solid	8015B NM	112947
890-8350-9	HA - 9	Total/NA	Solid	8015B NM	112947
890-8350-10	HA - 10	Total/NA	Solid	8015B NM	112947
890-8350-11	HA - 10	Total/NA	Solid	8015B NM	112947
890-8350-12	HA - 11	Total/NA	Solid	8015B NM	112947
890-8350-13	HA - 11	Total/NA	Solid	8015B NM	112947
890-8350-14	HA - 12	Total/NA	Solid	8015B NM	112947
890-8350-15	HA - 12	Total/NA	Solid	8015B NM	112947
MB 880-112947/1-A	Method Blank	Total/NA	Solid	8015B NM	112947
LCS 880-112947/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112947
LCSD 880-112947/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112947

## Analysis Batch: 113444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-1	HA - 7	Total/NA	Solid	8015 NM	
890-8350-2	HA - 7	Total/NA	Solid	8015 NM	
890-8350-3	HA - 7A	Total/NA	Solid	8015 NM	
890-8350-4	HA - 8	Total/NA	Solid	8015 NM	
890-8350-5	HA - 8	Total/NA	Solid	8015 NM	
890-8350-6	HA - 8	Total/NA	Solid	8015 NM	
890-8350-7	HA - 8A	Total/NA	Solid	8015 NM	
890-8350-8	HA - 9	Total/NA	Solid	8015 NM	
890-8350-9	HA - 9	Total/NA	Solid	8015 NM	
890-8350-10	HA - 10	Total/NA	Solid	8015 NM	
890-8350-11	HA - 10	Total/NA	Solid	8015 NM	
890-8350-12	HA - 11	Total/NA	Solid	8015 NM	
890-8350-13	HA - 11	Total/NA	Solid	8015 NM	
890-8350-14	HA - 12	Total/NA	Solid	8015 NM	
890-8350-15	HA - 12	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 113011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-1	HA - 7	Soluble	Solid	DI Leach	
890-8350-2	HA - 7	Soluble	Solid	DI Leach	
890-8350-3	HA - 7A	Soluble	Solid	DI Leach	
890-8350-4	HA - 8	Soluble	Solid	DI Leach	
890-8350-5	HA - 8	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

## HPLC/IC (Continued)

## Leach Batch: 113011 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-6	HA - 8	Soluble	Solid	DI Leach	
890-8350-7	HA - 8A	Soluble	Solid	DI Leach	
890-8350-8	HA - 9	Soluble	Solid	DI Leach	
890-8350-9	HA - 9	Soluble	Solid	DI Leach	
890-8350-10	HA - 10	Soluble	Solid	DI Leach	
890-8350-11	HA - 10	Soluble	Solid	DI Leach	
890-8350-12	HA - 11	Soluble	Solid	DI Leach	
890-8350-13	HA - 11	Soluble	Solid	DI Leach	
890-8350-14	HA - 12	Soluble	Solid	DI Leach	
890-8350-15	HA - 12	Soluble	Solid	DI Leach	
MB 880-113011/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113011/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113011/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8350-1 MS	HA - 7	Soluble	Solid	DI Leach	
890-8350-1 MSD	HA - 7	Soluble	Solid	DI Leach	
890-8350-11 MS	HA - 10	Soluble	Solid	DI Leach	
890-8350-11 MSD	HA - 10	Soluble	Solid	DI Leach	

## Analysis Batch: 113072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8350-1	HA - 7	Soluble	Solid	300.0	113011
890-8350-2	HA - 7	Soluble	Solid	300.0	113011
890-8350-3	HA - 7A	Soluble	Solid	300.0	113011
890-8350-4	HA - 8	Soluble	Solid	300.0	113011
890-8350-5	HA - 8	Soluble	Solid	300.0	113011
890-8350-6	HA - 8	Soluble	Solid	300.0	113011
890-8350-7	HA - 8A	Soluble	Solid	300.0	113011
890-8350-8	HA - 9	Soluble	Solid	300.0	113011
890-8350-9	HA - 9	Soluble	Solid	300.0	113011
890-8350-10	HA - 10	Soluble	Solid	300.0	113011
890-8350-11	HA - 10	Soluble	Solid	300.0	113011
890-8350-12	HA - 11	Soluble	Solid	300.0	113011
890-8350-13	HA - 11	Soluble	Solid	300.0	113011
890-8350-14	HA - 12	Soluble	Solid	300.0	113011
890-8350-15	HA - 12	Soluble	Solid	300.0	113011
MB 880-113011/1-A	Method Blank	Soluble	Solid	300.0	113011
LCS 880-113011/2-A	Lab Control Sample	Soluble	Solid	300.0	113011
LCSD 880-113011/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113011
890-8350-1 MS	HA - 7	Soluble	Solid	300.0	113011
890-8350-1 MSD	HA - 7	Soluble	Solid	300.0	113011
890-8350-11 MS	HA - 10	Soluble	Solid	300.0	113011
890-8350-11 MSD	HA - 10	Soluble	Solid	300.0	113011

### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 7**

**Lab Sample ID: 890-8350-1**

Date Collected: 06/24/25 11:00

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 16:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 12:02	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 12:02	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 05:20	CS	EET MID

**Client Sample ID: HA - 7**

**Lab Sample ID: 890-8350-2**

Date Collected: 06/24/25 11:05

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 16:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 16:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 12:18	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 12:18	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 05:41	CS	EET MID

**Client Sample ID: HA - 7A**

**Lab Sample ID: 890-8350-3**

Date Collected: 06/24/25 11:10

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 17:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 12:35	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 12:35	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 05:48	CS	EET MID

**Client Sample ID: HA - 8**

**Lab Sample ID: 890-8350-4**

Date Collected: 06/24/25 11:15

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 17:24	SA	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 8**

**Lab Sample ID: 890-8350-4**

Date Collected: 06/24/25 11:15

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113444	06/30/25 12:51	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 12:51	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 05:55	CS	EET MID

**Client Sample ID: HA - 8**

**Lab Sample ID: 890-8350-5**

Date Collected: 06/24/25 11:20

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 17:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 13:08	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 13:08	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 06:03	CS	EET MID

**Client Sample ID: HA - 8**

**Lab Sample ID: 890-8350-6**

Date Collected: 06/24/25 11:25

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 18:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 13:25	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 13:25	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 06:24	CS	EET MID

**Client Sample ID: HA - 8A**

**Lab Sample ID: 890-8350-7**

Date Collected: 06/24/25 11:30

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 18:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 13:41	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 13:41	TKC	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 8A**

**Lab Sample ID: 890-8350-7**

Date Collected: 06/24/25 11:30

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 06:31	CS	EET MID

**Client Sample ID: HA - 9**

**Lab Sample ID: 890-8350-8**

Date Collected: 06/24/25 11:35

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 18:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 13:58	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 13:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 06:39	CS	EET MID

**Client Sample ID: HA - 9**

**Lab Sample ID: 890-8350-9**

Date Collected: 06/24/25 11:40

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 19:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 14:14	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 14:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 06:46	CS	EET MID

**Client Sample ID: HA - 10**

**Lab Sample ID: 890-8350-10**

Date Collected: 06/24/25 11:45

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112986	06/25/25 09:14	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112976	06/25/25 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 19:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 14:47	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 14:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 06:53	CS	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 10**

**Lab Sample ID: 890-8350-11**

Date Collected: 06/24/25 11:50

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112988	06/25/25 09:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112974	06/25/25 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 18:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 15:03	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 15:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 07:00	CS	EET MID

**Client Sample ID: HA - 11**

**Lab Sample ID: 890-8350-12**

Date Collected: 06/24/25 11:55

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112988	06/25/25 09:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112974	06/25/25 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 19:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 15:20	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 15:20	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 07:22	CS	EET MID

**Client Sample ID: HA - 11**

**Lab Sample ID: 890-8350-13**

Date Collected: 06/24/25 12:00

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	112988	06/25/25 09:28	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112974	06/25/25 19:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 19:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 15:36	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 15:36	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 07:29	CS	EET MID

**Client Sample ID: HA - 12**

**Lab Sample ID: 890-8350-14**

Date Collected: 06/24/25 12:05

Matrix: Solid

Date Received: 06/24/25 14:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112987	06/25/25 09:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112975	06/25/25 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 19:34	SA	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
 SDG: Eddy County, NM

**Client Sample ID: HA - 12**

**Lab Sample ID: 890-8350-14**

**Date Collected: 06/24/25 12:05**

**Matrix: Solid**

**Date Received: 06/24/25 14:23**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113444	06/30/25 15:52	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 15:52	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 07:50	CS	EET MID

**Client Sample ID: HA - 12**

**Lab Sample ID: 890-8350-15**

**Date Collected: 06/24/25 12:10**

**Matrix: Solid**

**Date Received: 06/24/25 14:23**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	112987	06/25/25 09:18	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112975	06/25/25 19:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113141	06/25/25 19:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			113444	06/30/25 16:08	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112947	06/24/25 15:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113310	06/30/25 16:08	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	113011	06/25/25 11:09	SA	EET MID
Soluble	Analysis	300.0		1			113072	06/26/25 07:58	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
SDG: Eddy County, NM

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date												
Texas	NELAP	T104704400	06-30-25												
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>8015 NM</td> <td></td> <td>Solid</td> <td>Total TPH</td> </tr> <tr> <td>Total BTEX</td> <td></td> <td>Solid</td> <td>Total BTEX</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	8015 NM		Solid	Total TPH	Total BTEX		Solid	Total BTEX
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: Todd 36 State #715H

Job ID: 890-8350-1  
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



### Sample Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-8350-1  
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8350-1	HA - 7	Solid	06/24/25 11:00	06/24/25 14:23	0.5
890-8350-2	HA - 7	Solid	06/24/25 11:05	06/24/25 14:23	2
890-8350-3	HA - 7A	Solid	06/24/25 11:10	06/24/25 14:23	0.5
890-8350-4	HA - 8	Solid	06/24/25 11:15	06/24/25 14:23	0.5
890-8350-5	HA - 8	Solid	06/24/25 11:20	06/24/25 14:23	2
890-8350-6	HA - 8	Solid	06/24/25 11:25	06/24/25 14:23	4
890-8350-7	HA - 8A	Solid	06/24/25 11:30	06/24/25 14:23	0.5
890-8350-8	HA - 9	Solid	06/24/25 11:35	06/24/25 14:23	0.5
890-8350-9	HA - 9	Solid	06/24/25 11:40	06/24/25 14:23	2
890-8350-10	HA - 10	Solid	06/24/25 11:45	06/24/25 14:23	0.5
890-8350-11	HA - 10	Solid	06/24/25 11:50	06/24/25 14:23	2
890-8350-12	HA - 11	Solid	06/24/25 11:55	06/24/25 14:23	0.5
890-8350-13	HA - 11	Solid	06/24/25 12:00	06/24/25 14:23	2
890-8350-14	HA - 12	Solid	06/24/25 12:05	06/24/25 14:23	0.5
890-8350-15	HA - 12	Solid	06/24/25 12:10	06/24/25 14:23	1

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Environment Testing Xenco

Chain of Custody

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

Work Order No:

www.xenco.com

Page 1 of 2

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

Work Order Comments
Program: UST/PST
State of Project:
Reporting: Level II
Deliverables: EDD

Project Name: Todd 36 State #715H
Project Number: 575
Project Location: Eddy County, NM
Sampler's Name: Santiago Giron
CCWO #: 21614004

ANALYSIS REQUEST
Barcode: 890-8350 Chain of Custody

SAMPLE RECEIPT
Samples Received Intact: Yes
Cooler Custody Seals: Yes
Sample Custody Seals: Yes

Preservative Codes
None: NO
Cool: MeOH: Me
HCl: HC
H2SO4: H2

Table with columns: Sample Identification, Matrix, Date Sampled, Time Sampled, Depth (feet), Grab/Comp # of Cont, TPH-NM, Chloride-NM, BTEX-NM, Hold, 24 Hr Rush, Incident Number, Sample Comments

Total 200.7 / 6010 200.8 / 6020:
Circle Method(s) and Metal(s) to be analyzed
8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Relinquished by: (Signature)
Received by: (Signature)
Date/Time
6/24/14



Environment Testing  
Xenco

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

### Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page 2 of 2

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

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Project Name:	Todd 36 State #715H	Turn Around	Pres. Code	ANALYSIS REQUEST		Preservative Codes
Project Number:	575	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush				None: NO    DI Water: H <sub>2</sub> O
Project Location:	Eddy County, NM	Due Date:	Routine TAT			Cool: Cool    MeOH: Me
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm				HCL: HC    HNO <sub>3</sub> : HN
CCWO #:	21614004					H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na

SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters
Samples Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	T/M/C/O		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.3		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	-1.8		
Total Containers:		Corrected Temperature:	-1.6		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp # of Cont	TPH -NM	Chloride -NM	BTEX -NM	Hold	24 Hr Rush	Sample Comments
HA-10	S	6.24.25	11:45	0.5	Grab/ 1	X	X	X			Incident Number NAPP2516155409
HA-10	S	6.24.25	11:50	2	Grab/ 1	X	X	X			
HA-11	S	6.24.25	11:55	0.5	Grab/ 1	X	X	X			
HA-11	S	6.24.25	12:00	2	Grab/ 1	X	X	X			
HA-12	S	6.24.25	12:05	0.5	Grab/ 1	X	X	X			
HA-12	S	6.24.25	12:10	1	Grab/ 1	X	X	X			

Total 200.7 / 6010    200.8 / 6020:    8RCRA    13PPM    Texas 11    Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	6/24/25	<i>[Signature]</i>	<i>[Signature]</i>	

### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8350-1  
SDG Number: Eddy County, NM

**Login Number: 8350**  
**List Number: 1**  
**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8350-1  
SDG Number: Eddy County, NM

**Login Number: 8350**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 06/25/25 07:44 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 12/11/2025 9:00:29 AM Revision 1

## JOB DESCRIPTION

Todd 36 State #715H  
 Eddy County, NM

## JOB NUMBER

890-9158-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



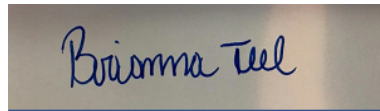
# Eurofins Carlsbad

## 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



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Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Laboratory Job ID: 890-9158-1  
SDG: Eddy County, NM

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## Definitions/Glossary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
SDG: Eddy County, NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

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## Case Narrative

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-9158-1

**Job ID: 890-9158-1**

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### Job Narrative 890-9158-1

#### REVISION

The report being provided is a revision of the original report sent on 12/4/2025. The report (revision 1) is being revised due to Revised to correct sample depths and make samples comp.

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

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

#### **Receipt**

The samples were received on 12/3/2025 8:52 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 5.0°C.

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (890-9158-1), CS - 2 (890-9158-2), CS - 3 (890-9158-3), CS - 4 (890-9158-4), CS - 5 (890-9158-5), CS - 6 (890-9158-6), CS - 7 (890-9158-7), CS - 8 (890-9158-8), CS - 9 (890-9158-9), CS - 10 (890-9158-10), CS - 11 (890-9158-11), CS - 12 (890-9158-12), CS - 13 (890-9158-13), CS - 14 (890-9158-14), CS - 15 (890-9158-15) and CS - 16 (890-9158-16).

#### **GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS - 3 (890-9158-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-125420 and 880-125422 and analytical batch 880-125518 was outside the upper control limits.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-125630 and analytical batch 880-125613 was outside acceptance criteria due to misinjection. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

#### **Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-125564/2-A) and (LCSD 880-125564/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: CS - 1 (890-9158-1), CS - 3 (890-9158-3), CS - 5 (890-9158-5), CS - 6 (890-9158-6), CS - 7 (890-9158-7), CS - 8 (890-9158-8), CS - 9 (890-9158-9), CS - 11 (890-9158-11), CS - 12 (890-9158-12), CS - 13 (890-9158-13), CS - 14 (890-9158-14), CS - 15 (890-9158-15) and CS - 16 (890-9158-16). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (890-9158-A-1-C MSD). 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.

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## Case Narrative

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-9158-1

**Job ID: 890-9158-1 (Continued)**

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### HPLC/IC

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

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## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9158-1  
SDG: Eddy County, NM

Client Sample ID: CS - 1

Lab Sample ID: 890-9158-1

Date Collected: 12/02/25 08:10

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

## 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		12/03/25 20:00	12/03/25 23:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/03/25 23:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/03/25 23:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/03/25 20:00	12/03/25 23:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/03/25 23:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/03/25 20:00	12/03/25 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/03/25 20:00	12/03/25 23:46	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/03/25 20:00	12/03/25 23:46	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			12/03/25 23:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/25 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 23:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 23:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	12/03/25 13:30	12/03/25 23:11	1
o-Terphenyl	140	S1+	70 - 130	12/03/25 13:30	12/03/25 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.5		9.96		mg/Kg			12/03/25 21:54	1

Client Sample ID: CS - 2

Lab Sample ID: 890-9158-2

Date Collected: 12/02/25 18:15

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/03/25 20:00	12/04/25 00:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/03/25 20:00	12/04/25 00:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/03/25 20:00	12/04/25 00:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/03/25 20:00	12/04/25 00:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/03/25 20:00	12/04/25 00:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/03/25 20:00	12/04/25 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/03/25 20:00	12/04/25 00:06	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 2**

**Lab Sample ID: 890-9158-2**

Date Collected: 12/02/25 18:15

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	81		70 - 130	12/03/25 20:00	12/04/25 00:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/04/25 00:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/25 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 23:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	12/03/25 13:30	12/03/25 23:53	1
o-Terphenyl	125		70 - 130	12/03/25 13:30	12/03/25 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		9.92		mg/Kg			12/03/25 22:11	1

**Client Sample ID: CS - 3**

**Lab Sample ID: 890-9158-3**

Date Collected: 12/02/25 08:20

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/03/25 20:00	12/04/25 00:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/03/25 20:00	12/04/25 00:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/03/25 20:00	12/04/25 00:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/03/25 20:00	12/04/25 00:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/03/25 20:00	12/04/25 00:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/03/25 20:00	12/04/25 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	12/03/25 20:00	12/04/25 00:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/03/25 20:00	12/04/25 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/04/25 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/04/25 00:08	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 3**  
**Date Collected: 12/02/25 08:20**  
**Date Received: 12/03/25 08:52**  
**Sample Depth: 1**

**Lab Sample ID: 890-9158-3**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 00:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 00:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	239	S1+	70 - 130				12/03/25 13:30	12/04/25 00:08	1
o-Terphenyl	252	S1+	70 - 130				12/03/25 13:30	12/04/25 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	553		9.90		mg/Kg			12/03/25 22:16	1

**Client Sample ID: CS - 4**  
**Date Collected: 12/02/25 08:25**  
**Date Received: 12/03/25 08:52**  
**Sample Depth: 1**

**Lab Sample ID: 890-9158-4**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/03/25 20:00	12/04/25 07:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/03/25 20:00	12/04/25 07:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/03/25 20:00	12/04/25 07:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/03/25 20:00	12/04/25 07:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/03/25 20:00	12/04/25 07:33	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/03/25 20:00	12/04/25 07:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/03/25 20:00	12/04/25 07:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/03/25 20:00	12/04/25 07:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			12/04/25 07:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/04/25 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 00:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 00:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/03/25 13:30	12/04/25 00:22	1
o-Terphenyl	116		70 - 130				12/03/25 13:30	12/04/25 00:22	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 4**  
**Date Collected: 12/02/25 08:25**  
**Date Received: 12/03/25 08:52**  
**Sample Depth: 1**

**Lab Sample ID: 890-9158-4**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		9.92		mg/Kg			12/03/25 22:22	1

**Client Sample ID: CS - 5**  
**Date Collected: 12/02/25 08:30**  
**Date Received: 12/03/25 08:52**  
**Sample Depth: 1**

**Lab Sample ID: 890-9158-5**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 08:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 08:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 08:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/03/25 20:00	12/04/25 08:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 08:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/03/25 20:00	12/04/25 08:05	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	115		70 - 130				12/03/25 20:00	12/04/25 08:05	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/03/25 20:00	12/04/25 08:05	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			12/04/25 08:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/04/25 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/03/25 13:30	12/04/25 00:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/03/25 13:30	12/04/25 00:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/03/25 13:30	12/04/25 00:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	137	S1+	70 - 130				12/03/25 13:30	12/04/25 00:37	1
o-Terphenyl	146	S1+	70 - 130				12/03/25 13:30	12/04/25 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.3		9.94		mg/Kg			12/03/25 22:28	1

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## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9158-1  
SDG: Eddy County, NM

Client Sample ID: CS - 6

Lab Sample ID: 890-9158-6

Date Collected: 12/02/25 08:35

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

## 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		12/03/25 20:00	12/04/25 08:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 08:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 08:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/03/25 20:00	12/04/25 08:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 08:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/03/25 20:00	12/04/25 08:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	12/03/25 20:00	12/04/25 08:25	1
1,4-Difluorobenzene (Surr)	123		70 - 130	12/03/25 20:00	12/04/25 08:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/04/25 08:25	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			12/04/25 00:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 00:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 00:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/03/25 13:30	12/04/25 00:50	1
o-Terphenyl	139	S1+	70 - 130	12/03/25 13:30	12/04/25 00:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.6		9.98		mg/Kg			12/03/25 22:45	1

Client Sample ID: CS - 7

Lab Sample ID: 890-9158-7

Date Collected: 12/02/25 08:40

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/03/25 20:00	12/04/25 09:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/03/25 20:00	12/04/25 09:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/03/25 20:00	12/04/25 09:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/03/25 20:00	12/04/25 09:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/03/25 20:00	12/04/25 09:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/03/25 20:00	12/04/25 09:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	12/03/25 20:00	12/04/25 09:34	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 7**  
**Date Collected: 12/02/25 08:40**  
**Date Received: 12/03/25 08:52**  
**Sample Depth: 1**

**Lab Sample ID: 890-9158-7**  
**Matrix: Solid**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	12/03/25 20:00	12/04/25 09:34	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			12/04/25 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/04/25 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 01:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/03/25 13:30	12/04/25 01:05	1
o-Terphenyl	138	S1+	70 - 130	12/03/25 13:30	12/04/25 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.4		9.94		mg/Kg			12/03/25 22:50	1

**Client Sample ID: CS - 8**  
**Date Collected: 12/02/25 08:45**  
**Date Received: 12/03/25 08:52**  
**Sample Depth: 1**

**Lab Sample ID: 890-9158-8**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 09:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 09:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 09:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/03/25 20:00	12/04/25 09:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/04/25 09:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/03/25 20:00	12/04/25 09:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	12/03/25 20:00	12/04/25 09:55	1
1,4-Difluorobenzene (Surr)	74		70 - 130	12/03/25 20:00	12/04/25 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/04/25 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/04/25 01:18	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 8**

**Lab Sample ID: 890-9158-8**

Date Collected: 12/02/25 08:45

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/03/25 13:30	12/04/25 01:18	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/03/25 13:30	12/04/25 01:18	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/03/25 13:30	12/04/25 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				12/03/25 13:30	12/04/25 01:18	1
o-Terphenyl	138	S1+	70 - 130				12/03/25 13:30	12/04/25 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		9.92		mg/Kg			12/03/25 22:56	1

**Client Sample ID: CS - 9**

**Lab Sample ID: 890-9158-9**

Date Collected: 12/02/25 08:50

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/03/25 20:00	12/04/25 10:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/03/25 20:00	12/04/25 10:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/03/25 20:00	12/04/25 10:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/03/25 20:00	12/04/25 10:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/03/25 20:00	12/04/25 10:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/03/25 20:00	12/04/25 10:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				12/03/25 20:00	12/04/25 10:15	1
1,4-Difluorobenzene (Surr)	77		70 - 130				12/03/25 20:00	12/04/25 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/04/25 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/04/25 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/03/25 13:30	12/04/25 01:33	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/03/25 13:30	12/04/25 01:33	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/03/25 13:30	12/04/25 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				12/03/25 13:30	12/04/25 01:33	1
o-Terphenyl	138	S1+	70 - 130				12/03/25 13:30	12/04/25 01:33	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 9**

**Lab Sample ID: 890-9158-9**

Date Collected: 12/02/25 08:50

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.5		10.1		mg/Kg			12/03/25 23:01	1

**Client Sample ID: CS - 10**

**Lab Sample ID: 890-9158-10**

Date Collected: 12/02/25 08:55

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/03/25 20:00	12/04/25 10:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/03/25 20:00	12/04/25 10:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/03/25 20:00	12/04/25 10:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/03/25 20:00	12/04/25 10:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/03/25 20:00	12/04/25 10:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/03/25 20:00	12/04/25 10:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/03/25 20:00	12/04/25 10:36	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/03/25 20:00	12/04/25 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/04/25 10:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/04/25 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 01:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 01:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	12/03/25 13:30	12/04/25 01:46	1
o-Terphenyl	128		70 - 130	12/03/25 13:30	12/04/25 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.8		10.0		mg/Kg			12/03/25 23:07	1

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## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9158-1  
SDG: Eddy County, NM

Client Sample ID: CS - 11

Lab Sample ID: 890-9158-11

Date Collected: 12/02/25 09:00

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/03/25 20:00	12/04/25 10:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/03/25 20:00	12/04/25 10:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/03/25 20:00	12/04/25 10:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/03/25 20:00	12/04/25 10:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/03/25 20:00	12/04/25 10:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/03/25 20:00	12/04/25 10:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/03/25 20:00	12/04/25 10:56	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/03/25 20:00	12/04/25 10:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/04/25 10:56	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			12/04/25 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 02:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 02:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	12/03/25 13:30	12/04/25 02:15	1
o-Terphenyl	131	S1+	70 - 130	12/03/25 13:30	12/04/25 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		10.1		mg/Kg			12/03/25 23:13	1

Client Sample ID: CS - 12

Lab Sample ID: 890-9158-12

Date Collected: 12/02/25 09:05

Matrix: Solid

Date Received: 12/03/25 08:52

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 ** *1	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:28	1
Ethylbenzene	<0.00200	U ** *1	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:28	1
m-Xylene & p-Xylene	<0.00399	U * - *1	0.00399		mg/Kg		12/04/25 08:00	12/04/25 10:28	1
o-Xylene	<0.00200	U ** *1	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/04/25 08:00	12/04/25 10:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/04/25 08:00	12/04/25 10:28	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 12**

**Lab Sample ID: 890-9158-12**

Date Collected: 12/02/25 09:05

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	12/04/25 08:00	12/04/25 10:28	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			12/04/25 10:28	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			12/04/25 02:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 02:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 02:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/03/25 13:30	12/04/25 02:29	1
o-Terphenyl	138	S1+	70 - 130	12/03/25 13:30	12/04/25 02:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.5		10.0		mg/Kg			12/03/25 23:30	1

**Client Sample ID: CS - 13**

**Lab Sample ID: 890-9158-13**

Date Collected: 12/02/25 09:10

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00303	*+ *1	0.00201		mg/Kg		12/04/25 08:00	12/04/25 10:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/04/25 08:00	12/04/25 10:49	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		12/04/25 08:00	12/04/25 10:49	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		12/04/25 08:00	12/04/25 10:49	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		12/04/25 08:00	12/04/25 10:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/04/25 08:00	12/04/25 10:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/04/25 08:00	12/04/25 10:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/04/25 08:00	12/04/25 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/04/25 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/04/25 02:43	1

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## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9158-1  
SDG: Eddy County, NM

Client Sample ID: CS - 13

Lab Sample ID: 890-9158-13

Date Collected: 12/02/25 09:10

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 02:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	12/03/25 13:30	12/04/25 02:43	1
o-Terphenyl	144	S1+	70 - 130	12/03/25 13:30	12/04/25 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		9.92		mg/Kg			12/03/25 23:35	1

Client Sample ID: CS - 14

Lab Sample ID: 890-9158-14

Date Collected: 12/02/25 09:15

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+ *1	0.00199		mg/Kg		12/04/25 08:00	12/04/25 11:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/04/25 08:00	12/04/25 11:09	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		12/04/25 08:00	12/04/25 11:09	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		12/04/25 08:00	12/04/25 11:09	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		12/04/25 08:00	12/04/25 11:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/04/25 08:00	12/04/25 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/04/25 08:00	12/04/25 11:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/04/25 08:00	12/04/25 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/04/25 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/04/25 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/03/25 13:30	12/04/25 02:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/03/25 13:30	12/04/25 02:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/03/25 13:30	12/04/25 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	12/03/25 13:30	12/04/25 02:57	1
o-Terphenyl	135	S1+	70 - 130	12/03/25 13:30	12/04/25 02:57	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 14**

**Lab Sample ID: 890-9158-14**

Date Collected: 12/02/25 09:15

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		9.98		mg/Kg			12/03/25 23:52	1

**Client Sample ID: CS - 15**

**Lab Sample ID: 890-9158-15**

Date Collected: 12/02/25 09:50

Matrix: Solid

Date Received: 12/03/25 08:52

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		12/04/25 08:00	12/04/25 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 11:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/04/25 08:00	12/04/25 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 11:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/04/25 08:00	12/04/25 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	12/04/25 08:00	12/04/25 11:01	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/04/25 08:00	12/04/25 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/04/25 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/04/25 03:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 03:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 03:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/03/25 13:30	12/04/25 03:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	12/03/25 13:30	12/04/25 03:11	1
o-Terphenyl	131	S1+	70 - 130	12/03/25 13:30	12/04/25 03:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	632		9.94		mg/Kg			12/03/25 23:58	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 16**

**Lab Sample ID: 890-9158-16**

Date Collected: 12/02/25 09:25

Matrix: Solid

Date Received: 12/03/25 08:52

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		12/04/25 08:57	12/04/25 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:57	12/04/25 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:57	12/04/25 11:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/04/25 08:57	12/04/25 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:57	12/04/25 11:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/04/25 08:57	12/04/25 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/04/25 08:57	12/04/25 11:01	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/04/25 08:57	12/04/25 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/04/25 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/04/25 03:25	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	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 03:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 03:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/04/25 03:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	12/03/25 13:30	12/04/25 03:25	1
o-Terphenyl	143	S1+	70 - 130	12/03/25 13:30	12/04/25 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		10.0		mg/Kg			12/04/25 00:03	1

## Surrogate Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9158-1  
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-9158-1	CS - 1	129	110
890-9158-1 MS	CS - 1	120	123
890-9158-1 MSD	CS - 1	127	111
890-9158-2	CS - 2	105	81
890-9158-3	CS - 3	65 S1-	92
890-9158-4	CS - 4	115	103
890-9158-5	CS - 5	115	106
890-9158-6	CS - 6	130	123
890-9158-7	CS - 7	98	90
890-9158-8	CS - 8	81	74
890-9158-9	CS - 9	93	77
890-9158-10	CS - 10	126	111
890-9158-11	CS - 11	95	87
890-9158-12	CS - 12	110	101
890-9158-12 MS	CS - 12	97	97
890-9158-12 MSD	CS - 12	104	103
890-9158-13	CS - 13	100	97
890-9158-14	CS - 14	103	94
890-9158-15	CS - 15	98	94
890-9158-15 MS	CS - 15	104	87
890-9158-15 MSD	CS - 15	110	97
890-9158-16	CS - 16	101	103
890-9158-16 MS	CS - 16	96	99
890-9158-16 MSD	CS - 16	96	98
LCS 880-125420/1-A	Lab Control Sample	96	105
LCS 880-125620/1-A	Lab Control Sample	126	109
LCS 880-125630/1-A	Lab Control Sample	103	101
LCS 880-125631/1-A	Lab Control Sample	96	96
LCS 880-125632/1-A	Lab Control Sample	113	101
LCSD 880-125420/2-A	Lab Control Sample Dup	91	101
LCSD 880-125620/2-A	Lab Control Sample Dup	118	110
LCSD 880-125631/2-A	Lab Control Sample Dup	97	97
LCSD 880-125632/2-A	Lab Control Sample Dup	109	112
MB 880-125416/5-A	Method Blank	115	108
MB 880-125420/5-A	Method Blank	214 S1+	121
MB 880-125422/5-A	Method Blank	179 S1+	108
MB 880-125620/5-A	Method Blank	78	71
MB 880-125630/5-A	Method Blank	112	96
MB 880-125631/5-A	Method Blank	90	95
MB 880-125632/5-A	Method Blank	106	93

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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### Surrogate Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

**Matrix: Solid**

**Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9158-1	CS - 1	129	140 S1+
890-9158-1 MS	CS - 1	123	121
890-9158-1 MSD	CS - 1	131 S1+	126
890-9158-2	CS - 2	116	125
890-9158-3	CS - 3	239 S1+	252 S1+
890-9158-4	CS - 4	107	116
890-9158-5	CS - 5	137 S1+	146 S1+
890-9158-6	CS - 6	128	139 S1+
890-9158-7	CS - 7	128	138 S1+
890-9158-8	CS - 8	128	138 S1+
890-9158-9	CS - 9	129	138 S1+
890-9158-10	CS - 10	121	128
890-9158-11	CS - 11	120	131 S1+
890-9158-12	CS - 12	128	138 S1+
890-9158-13	CS - 13	135 S1+	144 S1+
890-9158-14	CS - 14	125	135 S1+
890-9158-15	CS - 15	122	131 S1+
890-9158-16	CS - 16	130	143 S1+
LCS 880-125564/2-A	Lab Control Sample	148 S1+	146 S1+
LCSD 880-125564/3-A	Lab Control Sample Dup	148 S1+	144 S1+
MB 880-125564/1-A	Method Blank	129	137 S1+

**Surrogate Legend**

1CO = 1-Chlorooctane  
 OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-125416/5-A  
 Matrix: Solid  
 Analysis Batch: 125520

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:30	12/03/25 12:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:30	12/03/25 12:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:30	12/03/25 12:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/25 12:30	12/03/25 12:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:30	12/03/25 12:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/25 12:30	12/03/25 12:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/02/25 12:30	12/03/25 12:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/02/25 12:30	12/03/25 12:27	1

Lab Sample ID: MB 880-125420/5-A  
 Matrix: Solid  
 Analysis Batch: 125518

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125420

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:42	12/03/25 23:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:42	12/03/25 23:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:42	12/03/25 23:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/25 12:42	12/03/25 23:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:42	12/03/25 23:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/25 12:42	12/03/25 23:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	214	S1+	70 - 130	12/02/25 12:42	12/03/25 23:47	1
1,4-Difluorobenzene (Surr)	121		70 - 130	12/02/25 12:42	12/03/25 23:47	1

Lab Sample ID: LCS 880-125420/1-A  
 Matrix: Solid  
 Analysis Batch: 125518

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1089		mg/Kg		109	70 - 130
Toluene	0.100	0.09412		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1060		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.1916		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09434		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-125420/2-A  
 Matrix: Solid  
 Analysis Batch: 125518

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1028		mg/Kg		103	70 - 130	6	35

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-125420/2-A  
 Matrix: Solid  
 Analysis Batch: 125518

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09449		mg/Kg		94	70 - 130	0	35
Ethylbenzene	0.100	0.09706		mg/Kg		97	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1928		mg/Kg		96	70 - 130	1	35
o-Xylene	0.100	0.09625		mg/Kg		96	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-125422/5-A  
 Matrix: Solid  
 Analysis Batch: 125518

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:46	12/03/25 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:46	12/03/25 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:46	12/03/25 12:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/25 12:46	12/03/25 12:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/25 12:46	12/03/25 12:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/25 12:46	12/03/25 12:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130	12/02/25 12:46	12/03/25 12:10	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/02/25 12:46	12/03/25 12:10	1

Lab Sample ID: MB 880-125620/5-A  
 Matrix: Solid  
 Analysis Batch: 125520

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/03/25 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/03/25 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/03/25 23:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/03/25 20:00	12/03/25 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/03/25 20:00	12/03/25 23:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/03/25 20:00	12/03/25 23:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	12/03/25 20:00	12/03/25 23:24	1
1,4-Difluorobenzene (Surr)	71		70 - 130	12/03/25 20:00	12/03/25 23:24	1

Lab Sample ID: LCS 880-125620/1-A  
 Matrix: Solid  
 Analysis Batch: 125520

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1007		mg/Kg		101	70 - 130
Toluene	0.100	0.09963		mg/Kg		100	70 - 130

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-125620/1-A  
 Matrix: Solid  
 Analysis Batch: 125520

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.09882		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2036		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-125620/2-A  
 Matrix: Solid  
 Analysis Batch: 125520

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125620

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09919		mg/Kg		99	70 - 130	1	35
Toluene	0.100	0.09995		mg/Kg		100	70 - 130	0	35
Ethylbenzene	0.100	0.09974		mg/Kg		100	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2040		mg/Kg		102	70 - 130	0	35
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-9158-1 MS  
 Matrix: Solid  
 Analysis Batch: 125520

Client Sample ID: CS - 1  
 Prep Type: Total/NA  
 Prep Batch: 125620

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09279		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.100	0.09391		mg/Kg		94	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09418		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1948		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.100	0.09907		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: 890-9158-1 MSD  
 Matrix: Solid  
 Analysis Batch: 125520

Client Sample ID: CS - 1  
 Prep Type: Total/NA  
 Prep Batch: 125620

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09408		mg/Kg		94	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09511		mg/Kg		95	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09245		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1906		mg/Kg		95	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09592		mg/Kg		96	70 - 130	3	35

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: MB 880-125630/5-A  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/04/25 08:00	12/04/25 10:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/04/25 08:00	12/04/25 10:06	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/04/25 08:00	12/04/25 10:06	1

Lab Sample ID: LCS 880-125630/1-A  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1137		mg/Kg		114	70 - 130
Toluene	0.100	0.1067		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1143		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2152		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1047		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-9158-12 MS  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: CS - 12  
 Prep Type: Total/NA  
 Prep Batch: 125630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *+ *1	0.100	0.1084		mg/Kg		108	70 - 130
Toluene	<0.00200	U	0.100	0.1034		mg/Kg		103	70 - 130
Ethylbenzene	<0.00200	U *+ *1	0.100	0.1051		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00399	U *- *1	0.200	0.2034		mg/Kg		102	70 - 130
o-Xylene	<0.00200	U *+ *1	0.100	0.09938		mg/Kg		99	70 - 130

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

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Lab Sample ID: 890-9158-12 MSD  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: CS - 12  
 Prep Type: Total/NA  
 Prep Batch: 125630

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Benzene	<0.00200	U ** *1	0.100	0.1145		mg/Kg		115	70 - 130	6	35	
Toluene	<0.00200	U	0.100	0.1086		mg/Kg		109	70 - 130	5	35	
Ethylbenzene	<0.00200	U ** *1	0.100	0.1148		mg/Kg		115	70 - 130	9	35	
m-Xylene & p-Xylene	<0.00399	U *- *1	0.200	0.2150		mg/Kg		107	70 - 130	6	35	
o-Xylene	<0.00200	U ** *1	0.100	0.1059		mg/Kg		106	70 - 130	6	35	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-125631/5-A  
 Matrix: Solid  
 Analysis Batch: 125616

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125631

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/04/25 08:00	12/04/25 10:40	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	90		70 - 130	12/04/25 08:00	12/04/25 10:40	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/04/25 08:00	12/04/25 10:40	1

Lab Sample ID: LCS 880-125631/1-A  
 Matrix: Solid  
 Analysis Batch: 125616

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125631

Analyte	Spike	LCS		Unit	D	%Rec	%Rec	
		Added	Result				Qualifier	Limits
Benzene	0.100	0.08965		mg/Kg		90	70 - 130	
Toluene	0.100	0.08929		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.09129		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene	0.200	0.1822		mg/Kg		91	70 - 130	
o-Xylene	0.100	0.09235		mg/Kg		92	70 - 130	

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

Lab Sample ID: LCSD 880-125631/2-A  
 Matrix: Solid  
 Analysis Batch: 125616

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125631

Analyte	Spike	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Added	Result				Qualifier	Limits		
Benzene	0.100	0.09359		mg/Kg		94	70 - 130	4	35	
Toluene	0.100	0.09163		mg/Kg		92	70 - 130	3	35	

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-125631/2-A  
 Matrix: Solid  
 Analysis Batch: 125616

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125631

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	0.100	0.09582		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1922		mg/Kg		96	70 - 130	5	35
o-Xylene	0.100	0.09484		mg/Kg		95	70 - 130	3	35

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

Lab Sample ID: 890-9158-16 MS  
 Matrix: Solid  
 Analysis Batch: 125616

Client Sample ID: CS - 16  
 Prep Type: Total/NA  
 Prep Batch: 125631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09701		mg/Kg		97	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1055		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2115		mg/Kg		106	70 - 130
o-Xylene	<0.00200	U	0.100	0.1057		mg/Kg		106	70 - 130

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

Lab Sample ID: 890-9158-16 MSD  
 Matrix: Solid  
 Analysis Batch: 125616

Client Sample ID: CS - 16  
 Prep Type: Total/NA  
 Prep Batch: 125631

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1031		mg/Kg		103	70 - 130	1	35
Toluene	<0.00200	U	0.100	0.09847		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1057		mg/Kg		106	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2108		mg/Kg		105	70 - 130	0	35
o-Xylene	<0.00200	U	0.100	0.1051		mg/Kg		105	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-125632/5-A  
 Matrix: Solid  
 Analysis Batch: 125624

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/04/25 08:00	12/04/25 10:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:40	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-125632/5-A  
 Matrix: Solid  
 Analysis Batch: 125624

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/04/25 08:00	12/04/25 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/04/25 08:00	12/04/25 10:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/04/25 08:00	12/04/25 10:40	1

Lab Sample ID: LCS 880-125632/1-A  
 Matrix: Solid  
 Analysis Batch: 125624

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1105		mg/Kg		111	70 - 130
Toluene	0.100	0.09995		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1086		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2330		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1170		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-125632/2-A  
 Matrix: Solid  
 Analysis Batch: 125624

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125632

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1113		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.09650		mg/Kg		97	70 - 130	4	35
Ethylbenzene	0.100	0.1071		mg/Kg		107	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2301		mg/Kg		115	70 - 130	1	35
o-Xylene	0.100	0.1159		mg/Kg		116	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-9158-15 MS  
 Matrix: Solid  
 Analysis Batch: 125624

Client Sample ID: CS - 15  
 Prep Type: Total/NA  
 Prep Batch: 125632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1052		mg/Kg		105	70 - 130
Toluene	<0.00200	U	0.100	0.09688		mg/Kg		97	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09688		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1835		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.1083		mg/Kg		108	70 - 130

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Lab Sample ID: 890-9158-15 MS  
 Matrix: Solid  
 Analysis Batch: 125624

Client Sample ID: CS - 15  
 Prep Type: Total/NA  
 Prep Batch: 125632

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-9158-15 MSD  
 Matrix: Solid  
 Analysis Batch: 125624

Client Sample ID: CS - 15  
 Prep Type: Total/NA  
 Prep Batch: 125632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1051		mg/Kg		105	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.09514		mg/Kg		95	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1076		mg/Kg		108	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2242		mg/Kg		112	70 - 130	20	35
o-Xylene	<0.00200	U	0.100	0.1117		mg/Kg		112	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-125564/1-A  
 Matrix: Solid  
 Analysis Batch: 125513

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 22:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 22:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 13:30	12/03/25 22:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	12/03/25 13:30	12/03/25 22:28	1
o-Terphenyl	137	S1+	70 - 130	12/03/25 13:30	12/03/25 22:28	1

Lab Sample ID: LCS 880-125564/2-A  
 Matrix: Solid  
 Analysis Batch: 125513

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125564

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1035		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1220		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	148	S1+	70 - 130
o-Terphenyl	146	S1+	70 - 130

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-125564/3-A  
 Matrix: Solid  
 Analysis Batch: 125513

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125564

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1062		mg/Kg		106	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1000	1207		mg/Kg		121	70 - 130	1	20	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane	148	S1+	70 - 130							
o-Terphenyl	144	S1+	70 - 130							

Lab Sample ID: 890-9158-1 MS  
 Matrix: Solid  
 Analysis Batch: 125513

Client Sample ID: CS - 1  
 Prep Type: Total/NA  
 Prep Batch: 125564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	849.0		mg/Kg		85	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	997	944.8		mg/Kg		95	70 - 130			
		<b>MS</b>	<b>MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
1-Chlorooctane	123		70 - 130									
o-Terphenyl	121		70 - 130									

Lab Sample ID: 890-9158-1 MSD  
 Matrix: Solid  
 Analysis Batch: 125513

Client Sample ID: CS - 1  
 Prep Type: Total/NA  
 Prep Batch: 125564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	884.5		mg/Kg		89	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	969.0		mg/Kg		97	70 - 130	3	20	
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
1-Chlorooctane	131	S1+	70 - 130									
o-Terphenyl	126		70 - 130									

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

Lab Sample ID: MB 880-125586/1-A  
 Matrix: Solid  
 Analysis Batch: 125595

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-125586/2-A  
 Matrix: Solid  
 Analysis Batch: 125595

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.0		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-125586/3-A  
 Matrix: Solid  
 Analysis Batch: 125595

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.3		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 890-9158-1 MS  
 Matrix: Solid  
 Analysis Batch: 125595

Client Sample ID: CS - 1  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	38.5		249	278.9		mg/Kg		97	90 - 110

Lab Sample ID: 890-9158-1 MSD  
 Matrix: Solid  
 Analysis Batch: 125595

Client Sample ID: CS - 1  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	38.5		249	279.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-9158-11 MS  
 Matrix: Solid  
 Analysis Batch: 125595

Client Sample ID: CS - 11  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	108		252	345.4		mg/Kg		94	90 - 110

Lab Sample ID: 890-9158-11 MSD  
 Matrix: Solid  
 Analysis Batch: 125595

Client Sample ID: CS - 11  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	108		252	347.2		mg/Kg		95	90 - 110	1	20

## QC Association Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9158-1  
SDG: Eddy County, NM

## GC VOA

## Prep Batch: 125416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-125416/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 125420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-4	CS - 4	Total/NA	Solid	5035	
890-9158-5	CS - 5	Total/NA	Solid	5035	
890-9158-6	CS - 6	Total/NA	Solid	5035	
MB 880-125420/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125420/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125420/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Prep Batch: 125422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-125422/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 125518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-4	CS - 4	Total/NA	Solid	8021B	125420
890-9158-5	CS - 5	Total/NA	Solid	8021B	125420
890-9158-6	CS - 6	Total/NA	Solid	8021B	125420
MB 880-125420/5-A	Method Blank	Total/NA	Solid	8021B	125420
MB 880-125422/5-A	Method Blank	Total/NA	Solid	8021B	125422
LCS 880-125420/1-A	Lab Control Sample	Total/NA	Solid	8021B	125420
LCSD 880-125420/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125420

## Analysis Batch: 125520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-1	CS - 1	Total/NA	Solid	8021B	125620
890-9158-2	CS - 2	Total/NA	Solid	8021B	125620
890-9158-3	CS - 3	Total/NA	Solid	8021B	125620
890-9158-7	CS - 7	Total/NA	Solid	8021B	125620
890-9158-8	CS - 8	Total/NA	Solid	8021B	125620
890-9158-9	CS - 9	Total/NA	Solid	8021B	125620
890-9158-10	CS - 10	Total/NA	Solid	8021B	125620
890-9158-11	CS - 11	Total/NA	Solid	8021B	125620
MB 880-125416/5-A	Method Blank	Total/NA	Solid	8021B	125416
MB 880-125620/5-A	Method Blank	Total/NA	Solid	8021B	125620
LCS 880-125620/1-A	Lab Control Sample	Total/NA	Solid	8021B	125620
LCSD 880-125620/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125620
890-9158-1 MS	CS - 1	Total/NA	Solid	8021B	125620
890-9158-1 MSD	CS - 1	Total/NA	Solid	8021B	125620

## Analysis Batch: 125613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-12	CS - 12	Total/NA	Solid	8021B	125630
890-9158-13	CS - 13	Total/NA	Solid	8021B	125630
890-9158-14	CS - 14	Total/NA	Solid	8021B	125630
MB 880-125630/5-A	Method Blank	Total/NA	Solid	8021B	125630
LCS 880-125630/1-A	Lab Control Sample	Total/NA	Solid	8021B	125630
890-9158-12 MS	CS - 12	Total/NA	Solid	8021B	125630
890-9158-12 MSD	CS - 12	Total/NA	Solid	8021B	125630

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## QC Association Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9158-1  
SDG: Eddy County, NM

## GC VOA

## Analysis Batch: 125616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-16	CS - 16	Total/NA	Solid	8021B	125631
MB 880-125631/5-A	Method Blank	Total/NA	Solid	8021B	125631
LCS 880-125631/1-A	Lab Control Sample	Total/NA	Solid	8021B	125631
LCSD 880-125631/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125631
890-9158-16 MS	CS - 16	Total/NA	Solid	8021B	125631
890-9158-16 MSD	CS - 16	Total/NA	Solid	8021B	125631

## Prep Batch: 125620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-1	CS - 1	Total/NA	Solid	5035	
890-9158-2	CS - 2	Total/NA	Solid	5035	
890-9158-3	CS - 3	Total/NA	Solid	5035	
890-9158-7	CS - 7	Total/NA	Solid	5035	
890-9158-8	CS - 8	Total/NA	Solid	5035	
890-9158-9	CS - 9	Total/NA	Solid	5035	
890-9158-10	CS - 10	Total/NA	Solid	5035	
890-9158-11	CS - 11	Total/NA	Solid	5035	
MB 880-125620/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125620/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125620/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9158-1 MS	CS - 1	Total/NA	Solid	5035	
890-9158-1 MSD	CS - 1	Total/NA	Solid	5035	

## Analysis Batch: 125624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-15	CS - 15	Total/NA	Solid	8021B	125632
MB 880-125632/5-A	Method Blank	Total/NA	Solid	8021B	125632
LCS 880-125632/1-A	Lab Control Sample	Total/NA	Solid	8021B	125632
LCSD 880-125632/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125632
890-9158-15 MS	CS - 15	Total/NA	Solid	8021B	125632
890-9158-15 MSD	CS - 15	Total/NA	Solid	8021B	125632

## Prep Batch: 125630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-12	CS - 12	Total/NA	Solid	5035	
890-9158-13	CS - 13	Total/NA	Solid	5035	
890-9158-14	CS - 14	Total/NA	Solid	5035	
MB 880-125630/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125630/1-A	Lab Control Sample	Total/NA	Solid	5035	
890-9158-12 MS	CS - 12	Total/NA	Solid	5035	
890-9158-12 MSD	CS - 12	Total/NA	Solid	5035	

## Prep Batch: 125631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-16	CS - 16	Total/NA	Solid	5035	
MB 880-125631/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125631/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125631/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9158-16 MS	CS - 16	Total/NA	Solid	5035	
890-9158-16 MSD	CS - 16	Total/NA	Solid	5035	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

## GC VOA

## Prep Batch: 125632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-15	CS - 15	Total/NA	Solid	5035	
MB 880-125632/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125632/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125632/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9158-15 MS	CS - 15	Total/NA	Solid	5035	
890-9158-15 MSD	CS - 15	Total/NA	Solid	5035	

## Analysis Batch: 125652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-1	CS - 1	Total/NA	Solid	Total BTEX	
890-9158-2	CS - 2	Total/NA	Solid	Total BTEX	
890-9158-3	CS - 3	Total/NA	Solid	Total BTEX	
890-9158-4	CS - 4	Total/NA	Solid	Total BTEX	
890-9158-5	CS - 5	Total/NA	Solid	Total BTEX	
890-9158-6	CS - 6	Total/NA	Solid	Total BTEX	
890-9158-7	CS - 7	Total/NA	Solid	Total BTEX	
890-9158-8	CS - 8	Total/NA	Solid	Total BTEX	
890-9158-9	CS - 9	Total/NA	Solid	Total BTEX	
890-9158-10	CS - 10	Total/NA	Solid	Total BTEX	
890-9158-11	CS - 11	Total/NA	Solid	Total BTEX	
890-9158-12	CS - 12	Total/NA	Solid	Total BTEX	
890-9158-13	CS - 13	Total/NA	Solid	Total BTEX	
890-9158-14	CS - 14	Total/NA	Solid	Total BTEX	
890-9158-15	CS - 15	Total/NA	Solid	Total BTEX	
890-9158-16	CS - 16	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 125513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-1	CS - 1	Total/NA	Solid	8015B NM	125564
890-9158-2	CS - 2	Total/NA	Solid	8015B NM	125564
890-9158-3	CS - 3	Total/NA	Solid	8015B NM	125564
890-9158-4	CS - 4	Total/NA	Solid	8015B NM	125564
890-9158-5	CS - 5	Total/NA	Solid	8015B NM	125564
890-9158-6	CS - 6	Total/NA	Solid	8015B NM	125564
890-9158-7	CS - 7	Total/NA	Solid	8015B NM	125564
890-9158-8	CS - 8	Total/NA	Solid	8015B NM	125564
890-9158-9	CS - 9	Total/NA	Solid	8015B NM	125564
890-9158-10	CS - 10	Total/NA	Solid	8015B NM	125564
890-9158-11	CS - 11	Total/NA	Solid	8015B NM	125564
890-9158-12	CS - 12	Total/NA	Solid	8015B NM	125564
890-9158-13	CS - 13	Total/NA	Solid	8015B NM	125564
890-9158-14	CS - 14	Total/NA	Solid	8015B NM	125564
890-9158-15	CS - 15	Total/NA	Solid	8015B NM	125564
890-9158-16	CS - 16	Total/NA	Solid	8015B NM	125564
MB 880-125564/1-A	Method Blank	Total/NA	Solid	8015B NM	125564
LCS 880-125564/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125564
LCSD 880-125564/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125564
890-9158-1 MS	CS - 1	Total/NA	Solid	8015B NM	125564
890-9158-1 MSD	CS - 1	Total/NA	Solid	8015B NM	125564

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## QC Association Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9158-1  
SDG: Eddy County, NM

## GC Semi VOA

## Prep Batch: 125564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-1	CS - 1	Total/NA	Solid	8015NM Prep	
890-9158-2	CS - 2	Total/NA	Solid	8015NM Prep	
890-9158-3	CS - 3	Total/NA	Solid	8015NM Prep	
890-9158-4	CS - 4	Total/NA	Solid	8015NM Prep	
890-9158-5	CS - 5	Total/NA	Solid	8015NM Prep	
890-9158-6	CS - 6	Total/NA	Solid	8015NM Prep	
890-9158-7	CS - 7	Total/NA	Solid	8015NM Prep	
890-9158-8	CS - 8	Total/NA	Solid	8015NM Prep	
890-9158-9	CS - 9	Total/NA	Solid	8015NM Prep	
890-9158-10	CS - 10	Total/NA	Solid	8015NM Prep	
890-9158-11	CS - 11	Total/NA	Solid	8015NM Prep	
890-9158-12	CS - 12	Total/NA	Solid	8015NM Prep	
890-9158-13	CS - 13	Total/NA	Solid	8015NM Prep	
890-9158-14	CS - 14	Total/NA	Solid	8015NM Prep	
890-9158-15	CS - 15	Total/NA	Solid	8015NM Prep	
890-9158-16	CS - 16	Total/NA	Solid	8015NM Prep	
MB 880-125564/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125564/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125564/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9158-1 MS	CS - 1	Total/NA	Solid	8015NM Prep	
890-9158-1 MSD	CS - 1	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 125656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-1	CS - 1	Total/NA	Solid	8015 NM	
890-9158-2	CS - 2	Total/NA	Solid	8015 NM	
890-9158-3	CS - 3	Total/NA	Solid	8015 NM	
890-9158-4	CS - 4	Total/NA	Solid	8015 NM	
890-9158-5	CS - 5	Total/NA	Solid	8015 NM	
890-9158-6	CS - 6	Total/NA	Solid	8015 NM	
890-9158-7	CS - 7	Total/NA	Solid	8015 NM	
890-9158-8	CS - 8	Total/NA	Solid	8015 NM	
890-9158-9	CS - 9	Total/NA	Solid	8015 NM	
890-9158-10	CS - 10	Total/NA	Solid	8015 NM	
890-9158-11	CS - 11	Total/NA	Solid	8015 NM	
890-9158-12	CS - 12	Total/NA	Solid	8015 NM	
890-9158-13	CS - 13	Total/NA	Solid	8015 NM	
890-9158-14	CS - 14	Total/NA	Solid	8015 NM	
890-9158-15	CS - 15	Total/NA	Solid	8015 NM	
890-9158-16	CS - 16	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 125586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-1	CS - 1	Soluble	Solid	DI Leach	
890-9158-2	CS - 2	Soluble	Solid	DI Leach	
890-9158-3	CS - 3	Soluble	Solid	DI Leach	
890-9158-4	CS - 4	Soluble	Solid	DI Leach	
890-9158-5	CS - 5	Soluble	Solid	DI Leach	
890-9158-6	CS - 6	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

## HPLC/IC (Continued)

## Leach Batch: 125586 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-7	CS - 7	Soluble	Solid	DI Leach	
890-9158-8	CS - 8	Soluble	Solid	DI Leach	
890-9158-9	CS - 9	Soluble	Solid	DI Leach	
890-9158-10	CS - 10	Soluble	Solid	DI Leach	
890-9158-11	CS - 11	Soluble	Solid	DI Leach	
890-9158-12	CS - 12	Soluble	Solid	DI Leach	
890-9158-13	CS - 13	Soluble	Solid	DI Leach	
890-9158-14	CS - 14	Soluble	Solid	DI Leach	
890-9158-15	CS - 15	Soluble	Solid	DI Leach	
890-9158-16	CS - 16	Soluble	Solid	DI Leach	
MB 880-125586/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125586/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125586/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9158-1 MS	CS - 1	Soluble	Solid	DI Leach	
890-9158-1 MSD	CS - 1	Soluble	Solid	DI Leach	
890-9158-11 MS	CS - 11	Soluble	Solid	DI Leach	
890-9158-11 MSD	CS - 11	Soluble	Solid	DI Leach	

## Analysis Batch: 125595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9158-1	CS - 1	Soluble	Solid	300.0	125586
890-9158-2	CS - 2	Soluble	Solid	300.0	125586
890-9158-3	CS - 3	Soluble	Solid	300.0	125586
890-9158-4	CS - 4	Soluble	Solid	300.0	125586
890-9158-5	CS - 5	Soluble	Solid	300.0	125586
890-9158-6	CS - 6	Soluble	Solid	300.0	125586
890-9158-7	CS - 7	Soluble	Solid	300.0	125586
890-9158-8	CS - 8	Soluble	Solid	300.0	125586
890-9158-9	CS - 9	Soluble	Solid	300.0	125586
890-9158-10	CS - 10	Soluble	Solid	300.0	125586
890-9158-11	CS - 11	Soluble	Solid	300.0	125586
890-9158-12	CS - 12	Soluble	Solid	300.0	125586
890-9158-13	CS - 13	Soluble	Solid	300.0	125586
890-9158-14	CS - 14	Soluble	Solid	300.0	125586
890-9158-15	CS - 15	Soluble	Solid	300.0	125586
890-9158-16	CS - 16	Soluble	Solid	300.0	125586
MB 880-125586/1-A	Method Blank	Soluble	Solid	300.0	125586
LCS 880-125586/2-A	Lab Control Sample	Soluble	Solid	300.0	125586
LCSD 880-125586/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125586
890-9158-1 MS	CS - 1	Soluble	Solid	300.0	125586
890-9158-1 MSD	CS - 1	Soluble	Solid	300.0	125586
890-9158-11 MS	CS - 11	Soluble	Solid	300.0	125586
890-9158-11 MSD	CS - 11	Soluble	Solid	300.0	125586

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 1**

**Lab Sample ID: 890-9158-1**

Date Collected: 12/02/25 08:10

Matrix: Solid

Date Received: 12/03/25 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125620	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125520	12/03/25 23:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/03/25 23:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/03/25 23:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/03/25 23:11	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 21:54	CS	EET MID

**Client Sample ID: CS - 2**

**Lab Sample ID: 890-9158-2**

Date Collected: 12/02/25 18:15

Matrix: Solid

Date Received: 12/03/25 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125620	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125520	12/04/25 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 00:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/03/25 23:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/03/25 23:53	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 22:11	CS	EET MID

**Client Sample ID: CS - 3**

**Lab Sample ID: 890-9158-3**

Date Collected: 12/02/25 08:20

Matrix: Solid

Date Received: 12/03/25 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125620	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125520	12/04/25 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 00:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 00:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 00:08	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 22:16	CS	EET MID

**Client Sample ID: CS - 4**

**Lab Sample ID: 890-9158-4**

Date Collected: 12/02/25 08:25

Matrix: Solid

Date Received: 12/03/25 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	125420	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125518	12/04/25 07:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 07:33	SA	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 4**  
**Date Collected: 12/02/25 08:25**  
**Date Received: 12/03/25 08:52**

**Lab Sample ID: 890-9158-4**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			125656	12/04/25 00:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 00:22	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 22:22	CS	EET MID

**Client Sample ID: CS - 5**  
**Date Collected: 12/02/25 08:30**  
**Date Received: 12/03/25 08:52**

**Lab Sample ID: 890-9158-5**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	125420	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125518	12/04/25 08:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 08:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 00:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 00:37	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 22:28	CS	EET MID

**Client Sample ID: CS - 6**  
**Date Collected: 12/02/25 08:35**  
**Date Received: 12/03/25 08:52**

**Lab Sample ID: 890-9158-6**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	125420	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125518	12/04/25 08:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 08:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 00:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 00:50	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 22:45	CS	EET MID

**Client Sample ID: CS - 7**  
**Date Collected: 12/02/25 08:40**  
**Date Received: 12/03/25 08:52**

**Lab Sample ID: 890-9158-7**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	125620	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125520	12/04/25 09:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 09:34	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 01:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 01:05	FC	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 7**  
**Date Collected: 12/02/25 08:40**  
**Date Received: 12/03/25 08:52**

**Lab Sample ID: 890-9158-7**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 22:50	CS	EET MID

**Client Sample ID: CS - 8**  
**Date Collected: 12/02/25 08:45**  
**Date Received: 12/03/25 08:52**

**Lab Sample ID: 890-9158-8**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125620	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125520	12/04/25 09:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 09:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 01:18	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 01:18	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 22:56	CS	EET MID

**Client Sample ID: CS - 9**  
**Date Collected: 12/02/25 08:50**  
**Date Received: 12/03/25 08:52**

**Lab Sample ID: 890-9158-9**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125620	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125520	12/04/25 10:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 10:15	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 01:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 01:33	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 23:01	CS	EET MID

**Client Sample ID: CS - 10**  
**Date Collected: 12/02/25 08:55**  
**Date Received: 12/03/25 08:52**

**Lab Sample ID: 890-9158-10**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	125620	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125520	12/04/25 10:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 10:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 01:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 01:46	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 23:07	CS	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 11**

**Lab Sample ID: 890-9158-11**

**Date Collected: 12/02/25 09:00**

**Matrix: Solid**

**Date Received: 12/03/25 08:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125620	12/03/25 20:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125520	12/04/25 10:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 10:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 02:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 02:15	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 23:13	CS	EET MID

**Client Sample ID: CS - 12**

**Lab Sample ID: 890-9158-12**

**Date Collected: 12/02/25 09:05**

**Matrix: Solid**

**Date Received: 12/03/25 08:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125630	12/04/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125613	12/04/25 10:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 10:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 02:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 02:29	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 23:30	CS	EET MID

**Client Sample ID: CS - 13**

**Lab Sample ID: 890-9158-13**

**Date Collected: 12/02/25 09:10**

**Matrix: Solid**

**Date Received: 12/03/25 08:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125630	12/04/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125613	12/04/25 10:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 10:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 02:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 02:43	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 23:35	CS	EET MID

**Client Sample ID: CS - 14**

**Lab Sample ID: 890-9158-14**

**Date Collected: 12/02/25 09:15**

**Matrix: Solid**

**Date Received: 12/03/25 08:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125630	12/04/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125613	12/04/25 11:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 11:09	SA	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 SDG: Eddy County, NM

**Client Sample ID: CS - 14**

**Lab Sample ID: 890-9158-14**

Date Collected: 12/02/25 09:15

Matrix: Solid

Date Received: 12/03/25 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			125656	12/04/25 02:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 02:57	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 23:52	CS	EET MID

**Client Sample ID: CS - 15**

**Lab Sample ID: 890-9158-15**

Date Collected: 12/02/25 09:50

Matrix: Solid

Date Received: 12/03/25 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125632	12/04/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125624	12/04/25 11:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 11:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 03:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 03:11	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/03/25 23:58	CS	EET MID

**Client Sample ID: CS - 16**

**Lab Sample ID: 890-9158-16**

Date Collected: 12/02/25 09:25

Matrix: Solid

Date Received: 12/03/25 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125631	12/04/25 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125616	12/04/25 11:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125652	12/04/25 11:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			125656	12/04/25 03:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125564	12/03/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125513	12/04/25 03:25	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	125586	12/03/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	125595	12/04/25 00:03	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
SDG: Eddy County, NM

#### Laboratory: Eurofins Midland

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

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Method Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
 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



### Sample Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9158-1  
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9158-1	CS - 1	Solid	12/02/25 08:10	12/03/25 08:52	1
890-9158-2	CS - 2	Solid	12/02/25 18:15	12/03/25 08:52	1
890-9158-3	CS - 3	Solid	12/02/25 08:20	12/03/25 08:52	1
890-9158-4	CS - 4	Solid	12/02/25 08:25	12/03/25 08:52	1
890-9158-5	CS - 5	Solid	12/02/25 08:30	12/03/25 08:52	1
890-9158-6	CS - 6	Solid	12/02/25 08:35	12/03/25 08:52	1
890-9158-7	CS - 7	Solid	12/02/25 08:40	12/03/25 08:52	1
890-9158-8	CS - 8	Solid	12/02/25 08:45	12/03/25 08:52	1
890-9158-9	CS - 9	Solid	12/02/25 08:50	12/03/25 08:52	1
890-9158-10	CS - 10	Solid	12/02/25 08:55	12/03/25 08:52	2
890-9158-11	CS - 11	Solid	12/02/25 09:00	12/03/25 08:52	2
890-9158-12	CS - 12	Solid	12/02/25 09:05	12/03/25 08:52	2
890-9158-13	CS - 13	Solid	12/02/25 09:10	12/03/25 08:52	2
890-9158-14	CS - 14	Solid	12/02/25 09:15	12/03/25 08:52	2
890-9158-15	CS - 15	Solid	12/02/25 09:50	12/03/25 08:52	2
890-9158-16	CS - 16	Solid	12/02/25 09:25	12/03/25 08:52	2

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# Chain of Custody

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

Environment Testing  
 Xenco




Work Order No: \_\_\_\_\_

www.xenco.com Page \_\_\_\_\_ of 2

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

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:	Todd 36 State #715H	Turn Around	
Project Number:	575	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Eddy County, NM	Due Date:	24 HR Rush TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CCWO #:			

ANALYSIS REQUEST		Pres. Code	
 890-9158 Chain of Custody		None: NO	DI Water: H <sub>2</sub> O
		Cool: Cool	MeOH: Me
		HCL: HC	HNO <sub>3</sub> : HN
		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
		H <sub>3</sub> PO <sub>4</sub> : HP	
		NaHSO <sub>4</sub> : NABIS	
		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
		Zn Acetate+NaOH: Zn	
		NaOH+Ascorbic Acid: SACP	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	Parameters	
						TPH -NM	Chloride -NM
CS-1	S	12.2.25	8:10	1	Grab	1	X
CS-2	S	12.2.25	8:15	1	Grab	1	X
CS-3	S	12.2.25	8:20	1	Grab	1	X
CS-4	S	12.2.25	8:25	1	Grab	1	X
CS-5	S	12.2.25	8:30	1	Grab	1	X
CS-6	S	12.2.25	8:35	1	Grab	1	X
CS-7	S	12.2.25	8:40	1	Grab	1	X
CS-8	S	12.2.25	8:45	1	Grab	1	X
CS-9	S	12.2.25	8:50	1	Grab	1	X

Sample Comments	
Incident Number	nAPP2516155409

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Santiago Giron</i>	<i>Burns</i>				
		12.3.25			8:50

# 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

Environment Testing  
 Xenco



Work Order No: \_\_\_\_\_

www.xenco.com Page 2 of 2

**Work Order Comments**

Program:  US/PST  PRP  Brownfields  RRC  Superfund

State of Project: Reporting: Level II  Level III  PST/UST  TRRP  Level I

Deliverables: EDD  ADaPT  Other: \_\_\_\_\_

**Project Manager:** Gilbert Moreno **Bill to:** (if different) Jim Raley

**Company Name:** Earth Systems R&R **Company Name:** Devon Energy

**Address:** 1910 Resource Ct.

**City, State ZIP:** Carlsbad, NM, 88220

**Phone:** 832-541-7719 **Email:** gmoreno@earthsys.net

**Project Name:** Todd 36 State #715H

**Project Number:** 575

**Project Location:** Eddy County, NM

**Sampler's Name:** Santiago Giron

**CC/WO #:** \_\_\_\_\_

**SAMPLE RECEIPT** Temp Blank: Yes No Wet Ice: Yes No Thermometer ID: T-0.2

Samples Received Intact: Yes No Cooler Custody Seals: Yes No Sample Custody Seals: Yes No Temperature Reading: 5.2

Total Containers: Corrected Temperature: 5.0

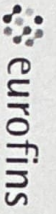
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of	Parameters			Hold	Sample Comments
							TPH -NM	Chloride -NM	BTEX -NM		
CS-10	S	12.2.25	8:55	1	Grab	1	X	X	X		
CS-11	S	12.2.25	9:00	1	Grab	1	X	X	X		
CS-12	S	12.2.25	9:05	1	Grab	1	X	X	X		
CS-13	S	12.2.25	9:10	1	Grab	1	X	X	X		
CS-14	S	12.2.25	9:15	1	Grab	1	X	X	X		
CS-15	S	12.2.25	9:20	1	Grab	1	X	X	X		
CS-16	S	12.2.25	9:25	1	Grab	1	X	X	X		

**Total 200.7 / 6010 200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

**Circle Method(s) and Metal(s) to be analyzed** Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0 <i>Matthew Garcia</i>	<i>Bury</i>	12.3.852 <sup>2</sup>			
3					
5					



Environment Testing  
Xenco

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

### Chain of Custody

Work Order No: \_\_\_\_\_

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Page 1 of 2

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

Program:  UST/PST  PRF  Brownfield  RRD  Superfund

State of Project: \_\_\_\_\_

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

Deliverables: EDD  ADAPT  Other: \_\_\_\_\_

Project Name:	Todd 36 State #715H	Turn Around	
Project Number:	575	<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code
Project Location:	Eddy County, NM	Due Date:	2/26/2018
Sampler's Name:	Santiago Giron	TAI starts the day received by the lab. If received by 4:30pm	
CC/MO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	INVEN
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	0.8
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	5.0
		Corrected Temperature:	5.0

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	ANALYSIS REQUEST	Preservative Codes
CS-1	S	12.2.25	8:10	1	Grab	1	X	X	X			None: NO DI Water: H <sub>2</sub> O Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
CS-2	S	12.2.25	8:15	1	Grab	1	X	X	X			
CS-3	S	12.2.25	8:20	1	Grab	1	X	X	X			
CS-4	S	12.2.25	8:25	1	Grab	1	X	X	X			
CS-5	S	12.2.25	8:30	1	Grab	1	X	X	X			
CS-6	S	12.2.25	8:35	1	Grab	1	X	X	X			
CS-7	S	12.2.25	8:40	1	Grab	1	X	X	X			
CS-8	S	12.2.25	8:45	1	Grab	1	X	X	X			
CS-9	S	12.2.25	8:50	1	Grab	1	X	X	X			

Total 200.7 / 6010    200.8 / 6020:    Hg: 1631 / 245.1 / 7470 / 7471

Circle Method(s) and Metal(s) to be analyzed:    HRCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Michael M...</i>	<i>B...</i>	12-3-2018			



Environment Testing  
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

### Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page 2 of 2

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

Program:  UST/PST  PRF  Brownfield  RRD  Superfund

State of Project: \_\_\_\_\_

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

Deliverables: EDD  ADAPT  Other: \_\_\_\_\_

Project Name:	Todd 36 State #715H	Turn Around	Pres. Code
Project Number:	575	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	
Project Location:	Eddy County, NM	Due Date:	12/3/25
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CCWO #:			

SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Parameters
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Thermometer ID:	TINCO
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	5.2
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	5.2
Total Containers:		Corrected Temperature:	5.2

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab Comp (cont)	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	Preservative Codes
CS-10	S	12.2.25	8:55	12	1	1	X	X	X		None: NO DI Water: H <sub>2</sub> O
CS-11	S	12.2.25	9:00	1	1	1	X	X	X		Cool: Cool MeOH: Me
CS-12	S	12.2.25	9:05	1	1	1	X	X	X		HCL: HC HNO <sub>3</sub> : HN
CS-13	S	12.2.25	9:10	1	1	1	X	X	X		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
CS-14	S	12.2.25	9:15	1	1	1	X	X	X		H <sub>2</sub> PO <sub>4</sub> : HP
CS-15	S	12.2.25	9:20	1	1	1	X	X	X		NaHSO <sub>4</sub> : NABIS
CS-16	S	12.2.25	9:25	1	1	1	X	X	X		Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>
											Zn Acetate+NaOH: Zn
											NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	12-3-25			



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**Eurofins Carlsbad**

1089 N Canal St.  
 Carlsbad, NM 88220  
 Phone: 575-988-3199 Fax: 575-988-3199

**Chain of Custody Record**



**Client Information (Sub Contract Lab)**

Client Contact: N/A  
 Shipping/Receiving: N/A  
 Company: Eurofins Environment Testing South Cent  
 Address: 1211 W. Florida Ave.  
 City: Midland  
 State: TX, 79701  
 Phone: 432-704-5440(Tel)  
 Email: N/A  
 Project Name: Todd 36 State #715H  
 Site: N/A

Sampler: N/A  
 Lab PM: Teel, Brianna  
 E-Mail: Brianna.Teel@et.eurofins.com  
 Accreditations Required (See note): NELAP - Texas

Due Date Requested: 12/4/2025  
 TAT Requested (days): N/A  
 Analysis Requested

PO #: N/A  
 WO #: N/A  
 Project #: 88001228  
 SSGW#: N/A

Carrier Tracking No(s): N/A  
 State of Origin: New Mexico  
 Job #: 890-9158-1  
 Preservation Codes:

COC No: 890-6202-1  
 Page: Page 1 of 2

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=overstuf, B=trash, Ash)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
CS - 1 (890-9158-1)	12/2/25	08:10	G	Solid		X	X	X	X	X	X	X	1	
CS - 2 (890-9158-2)	12/2/25	18:15	G	Solid		X	X	X	X	X	X	X	1	
CS - 3 (890-9158-3)	12/2/25	08:20	G	Solid		X	X	X	X	X	X	X	1	
CS - 4 (890-9158-4)	12/2/25	08:25	G	Solid		X	X	X	X	X	X	X	1	
CS - 5 (890-9158-5)	12/2/25	08:30	G	Solid		X	X	X	X	X	X	X	1	
CS - 6 (890-9158-6)	12/2/25	08:35	G	Solid		X	X	X	X	X	X	X	1	
CS - 7 (890-9158-7)	12/2/25	08:40	G	Solid		X	X	X	X	X	X	X	1	
CS - 8 (890-9158-8)	12/2/25	08:45	G	Solid		X	X	X	X	X	X	X	1	
CS - 9 (890-9158-9)	12/2/25	08:50	G	Solid		X	X	X	X	X	X	X	1	

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/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.

**Possible Hazard Identification**

Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (Specify) Primary Deliverable Rank: 2  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: 12-3-16 30 Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact:  Yes  No Custody Seal No.: \_\_\_\_\_ Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_

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**Eurofins Carlsbad**  
 1089 N Canal St.  
 Carlsbad, NM 88220  
 Phone: 575-988-3199 Fax: 575-988-3199

**Chain of Custody Record**



**Client Information (Sub Contract Lab)**

Client Contact: N/A  
 Shipping/Receiving: N/A  
 Company: Eurofins Environment Testing South Cent  
 Address: 1211 W. Florida Ave.  
 City: Midland  
 State Zip: TX, 79701  
 Phone: 432-704-5440(Tel)  
 Email: N/A  
 Project Name: Todd 36 State #715H  
 Site: N/A

Lab PM: Teel, Brianna  
 E-Mail: Brianna.Teel@et.eurofins.com  
 Carrier Tracking Note(s): N/A  
 State of Origin: New Mexico  
 CQC No: 890-6202.2  
 Page: Page 2 of 2  
 Job #: 890-9158-1  
 Preservation Codes:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Solid, O=Organic, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
CS - 10 (890-9158-10)	12/2/25	08:55	G	Solid		X	X	X	X	X	X	X	1	
CS - 11 (890-9158-11)	12/2/25	09:00	G	Solid		X	X	X	X	X	X	X	1	
CS - 12 (890-9158-12)	12/2/25	09:05	G	Solid		X	X	X	X	X	X	X	1	
CS - 13 (890-9158-13)	12/2/25	09:10	G	Solid		X	X	X	X	X	X	X	1	
CS - 14 (890-9158-14)	12/2/25	09:15	G	Solid		X	X	X	X	X	X	X	1	
CS - 15 (890-9158-15)	12/2/25	09:50	G	Solid		X	X	X	X	X	X	X	1	
CS - 16 (890-9158-16)	12/2/25	09:25	G	Solid		X	X	X	X	X	X	X	1	

**Analysis Requested**

Due Date Requested: 12/4/2025  
 TAT Requested (days): N/A

PO #: N/A  
 WO #: N/A  
 Project #: 88001228  
 SSOW#: N/A

Empty Kit Retrievished by: *[Signature]* Date: 12-3-25 8:50  
 Retrievished by: *[Signature]* Date/Time: 12-3-25 8:50  
 Retrievished by: *[Signature]* Date/Time: 12-3-25 8:50

Custody Seals Intact:  Yes  No  
 Custody Seal No.: \_\_\_\_\_  
 Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_

**Possible Hazard Identification**  
 Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (Specify) \_\_\_\_\_  
 Primary Deliverable Rank: 2

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

Special Instructions/OC Requirements: \_\_\_\_\_

Method of Shipment: \_\_\_\_\_  
 Date/Time: 12-3-25 8:50  
 Date/Time: 12-3-25 8:50

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**Eurofins Carlsbad**

1089 N Canal St.  
 Carlsbad, NM 88220  
 Phone: 575-988-3199 Fax: 575-988-3199

**Chain of Custody Record**



Environment Testing

**Client Information (Sub Contract Lab)**

Client Contact: Shipping/Receiving  
 Company: Eurofins Environment Testing South Centre  
 Address: 1211 W. Florida Ave.  
 City: Midland  
 State Zip: TX, 79701  
 Phone: 432-704-5440(Tel)  
 Email: N/A  
 Project Name: Todd 36 State #715H  
 Site: N/A  
 Sample: N/A  
 Lab PM: Teel, Brianna  
 E-Mail: Brianna\_Teel@et.eurofins.com  
 Carrier Tracking No(s): N/A  
 State of Origin: New Mexico  
 COC No: 890-6202-1  
 Page: Page 1 of 2  
 Job #: 890-9158-1  
 Preservation Codes:

Due Date Requested: 12/4/2025  
 TAT Requested (days): N/A  
 Analysis Requested

Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (S=solid, L=liquid, P=powder, B=brine, T=trans, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
CS - 1 (890-9158-1)	12/2/25	08:10	G	Solid	X	X	1	
CS - 2 (890-9158-2)	12/2/25	18:15	G	Solid	X	X	1	
CS - 3 (890-9158-3)	12/2/25	08:20	G	Solid	X	X	1	
CS - 4 (890-9158-4)	12/2/25	08:25	G	Solid	X	X	1	
CS - 5 (890-9158-5)	12/2/25	08:30	G	Solid	X	X	1	
CS - 6 (890-9158-6)	12/2/25	08:35	G	Solid	X	X	1	
CS - 7 (890-9158-7)	12/2/25	08:40	G	Solid	X	X	1	
CS - 8 (890-9158-8)	12/2/25	08:45	G	Solid	X	X	1	
CS - 9 (890-9158-9)	12/2/25	08:50	G	Solid	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Centre, 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, the samples must be shipped back to the Eurofins Environment Testing South Centre, LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Centre, 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 Centre, LLC.

**Possible Hazard Identification**

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (Specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Disposal By Lab  Archive For Months

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished by: *[Signature]* Date/Time: 12-3-16 30 Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact:  Yes  No Custody Seal No.: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks:

Received by: *[Signature]* Date/Time: 12-3-16 30 Company: \_\_\_\_\_

Received by: *[Signature]* Date/Time: 12-3-16 30 Company: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Method of Shipment: \_\_\_\_\_

Ver: 10/10/2024



Eurofins Carlsbad

1089 N Canal St  
Carlsbad, NM 88220  
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)

Client Contact: Shipping/Receiving  
Company: Eurofins Environment Testing South Centre  
Address: 1211 W. Florida Ave.  
City: Midland  
State, Zip: TX, 79701  
Phone: 432-704-5440(Tel)  
Email: N/A  
Project Name: Todd 36 State #715H  
Site: N/A  
SOW#: N/A

Sampler: N/A  
Phone: N/A  
Lab PM: Teel, Brianna  
E-Mail: Brianna.Teel@eurofins.com  
Accelerations Required (See note): NELAP - Texas

Carrier Tracking No(s): N/A  
State of Origin: New Mexico  
Page: Page 2 of 2  
Job #: 890-9158-1  
Preservation Codes:

Due Date Requested: 12/4/2025  
TAT Requested (days): N/A  
Analysis Requested

COC No: 890-6202.2  
Page: Page 2 of 2

Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Metal, Solid, Overstok, BT-Tsam, AAH)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28/DDI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
CS - 10 (890-9158-10)	12/2/25	08:55	G	Solid	X	X	X	X	X	X	X	1	
CS - 11 (890-9158-11)	12/2/25	09:00	G	Solid	X	X	X	X	X	X	X	1	
CS - 12 (890-9158-12)	12/2/25	09:05	G	Solid	X	X	X	X	X	X	X	1	
CS - 13 (890-9158-13)	12/2/25	09:10	G	Solid	X	X	X	X	X	X	X	1	
CS - 14 (890-9158-14)	12/2/25	09:15	G	Solid	X	X	X	X	X	X	X	1	
CS - 15 (890-9158-15)	12/2/25	09:50	G	Solid	X	X	X	X	X	X	X	1	
CS - 16 (890-9158-16)	12/2/25	09:25	G	Solid	X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Centre, LLC places the ownership of method, analyze & 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/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Centre, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Centre, 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 Centre, LLC.

Possible Hazard Identification

Unconfirmed Deliverable Requested: I, II, III, IV, Other (Specify) Primary Deliverable Rank: 2  
Special Instructions/QC Requirements:  Return To Client  Disposal By Lab  Archive For  Months

Empty Kit Relinquished by: Date: 12-3-2025 Time: 16:30  
Received by: Date/Time: 12-4-2025 8:00  
Company: Company

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Custody Seals Intact:  Yes  No  
Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9158-1  
SDG Number: Eddy County, NM

**Login Number: 9158**  
**List Number: 1**  
**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9158-1  
SDG Number: Eddy County, NM

**Login Number: 9158**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 12/04/25 07:49 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 12/11/2025 9:12:04 AM Revision 1

## JOB DESCRIPTION

Todd 36 State #715H  
 Eddy County, NM

## JOB NUMBER

890-9157-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



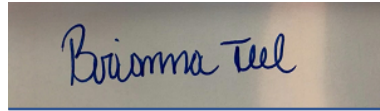
# Eurofins Carlsbad

## 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



Generated  
12/11/2025 9:12:04 AM  
Revision 1

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

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Laboratory Job ID: 890-9157-1  
SDG: Eddy County, NM

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## Definitions/Glossary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
SDG: Eddy County, NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-9157-1

**Job ID: 890-9157-1**

**Eurofins Carlsbad**

## Job Narrative 890-9157-1

### REVISION

The report being provided is a revision of the original report sent on 12/8/2025. The report (revision 1) is being revised due to Revised to correct sample depths and add comp to job.

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

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

### **Receipt**

The samples were received on 12/3/2025 8:52 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 5.0°C.

### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 1 (890-9157-1) and SW - 5 (890-9157-2).

### **GC VOA**

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

### **Diesel Range Organics**

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-125738 recovered outside control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is:(CCV 880-125738/31).

Method 8015MOD\_NM: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-125597 and analytical batch 880-125738 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

### **HPLC/IC**

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

Eurofins Carlsbad

## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9157-1  
SDG: Eddy County, NM

Client Sample ID: SW - 1

Lab Sample ID: 890-9157-1

Date Collected: 12/02/25 08:00

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 0-2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/04/25 10:53	12/04/25 23:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/04/25 10:53	12/04/25 23:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/04/25 10:53	12/04/25 23:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/04/25 10:53	12/04/25 23:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/04/25 10:53	12/04/25 23:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/04/25 10:53	12/04/25 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	12/04/25 10:53	12/04/25 23:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/04/25 10:53	12/04/25 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/04/25 23:12	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			12/06/25 02:16	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		12/03/25 16:39	12/06/25 02:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/03/25 16:39	12/06/25 02:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/03/25 16:39	12/06/25 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	12/03/25 16:39	12/06/25 02:16	1
o-Terphenyl	103		70 - 130	12/03/25 16:39	12/06/25 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		9.92		mg/Kg			12/05/25 15:20	1

Client Sample ID: SW - 5

Lab Sample ID: 890-9157-2

Date Collected: 12/02/25 08:05

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 0-2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/04/25 10:53	12/04/25 23:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/04/25 10:53	12/04/25 23:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/04/25 10:53	12/04/25 23:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/04/25 10:53	12/04/25 23:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/04/25 10:53	12/04/25 23:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/04/25 10:53	12/04/25 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/04/25 10:53	12/04/25 23:32	1

Eurofins Carlsbad

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
 SDG: Eddy County, NM

**Client Sample ID: SW - 5**

**Lab Sample ID: 890-9157-2**

Date Collected: 12/02/25 08:05

Matrix: Solid

Date Received: 12/03/25 08:52

Sample Depth: 0-2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	12/04/25 10:53	12/04/25 23:32	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			12/04/25 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/06/25 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *-	50.1		mg/Kg		12/03/25 16:39	12/06/25 02:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/03/25 16:39	12/06/25 02:36	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/03/25 16:39	12/06/25 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/03/25 16:39	12/06/25 02:36	1
o-Terphenyl	108		70 - 130	12/03/25 16:39	12/06/25 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		9.98		mg/Kg			12/05/25 15:37	1

## Surrogate Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-9157-1	SW - 1	91	90
890-9157-2	SW - 5	107	102
LCS 880-125647/1-A	Lab Control Sample	97	101
LCSD 880-125647/2-A	Lab Control Sample Dup	100	103
MB 880-125630/5-A	Method Blank	112	96
MB 880-125647/5-A	Method Blank	113	95

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-9157-1	SW - 1	92	103
890-9157-2	SW - 5	97	108
LCS 880-125597/2-A	Lab Control Sample	126	122
LCSD 880-125597/3-A	Lab Control Sample Dup	109	95
MB 880-125597/1-A	Method Blank	97	100

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-125630/5-A  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125630

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/04/25 08:00	12/04/25 10:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/04/25 08:00	12/04/25 10:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/04/25 08:00	12/04/25 10:06	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/04/25 08:00	12/04/25 10:06	1

Lab Sample ID: MB 880-125647/5-A  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/04/25 10:53	12/04/25 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 10:53	12/04/25 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/04/25 10:53	12/04/25 16:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/04/25 10:53	12/04/25 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/04/25 10:53	12/04/25 16:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/04/25 10:53	12/04/25 16:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/04/25 10:53	12/04/25 16:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/04/25 10:53	12/04/25 16:49	1

Lab Sample ID: LCS 880-125647/1-A  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1069		mg/Kg		107	70 - 130
Toluene	0.100	0.09806		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.1902		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09343		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-125647/2-A  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1141		mg/Kg		114	70 - 130	6	35

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-125647/2-A  
 Matrix: Solid  
 Analysis Batch: 125613

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1061		mg/Kg		106	70 - 130	8	35
Ethylbenzene	0.100	0.1107		mg/Kg		111	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2044		mg/Kg		102	70 - 130	7	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-125597/1-A  
 Matrix: Solid  
 Analysis Batch: 125738

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/03/25 16:39	12/05/25 19:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/03/25 16:39	12/05/25 19:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/03/25 16:39	12/05/25 19:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/03/25 16:39	12/05/25 19:31	1
o-Terphenyl	100		70 - 130	12/03/25 16:39	12/05/25 19:31	1

Lab Sample ID: LCS 880-125597/2-A  
 Matrix: Solid  
 Analysis Batch: 125738

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	783.3		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	929.6		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: LCSD 880-125597/3-A  
 Matrix: Solid  
 Analysis Batch: 125738

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125597

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	672.6	*-	mg/Kg		67	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1041		mg/Kg		104	70 - 130	11	20

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-125597/3-A  
 Matrix: Solid  
 Analysis Batch: 125738

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125597

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	109		70 - 130
o-Terphenyl	95		70 - 130

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

Lab Sample ID: MB 880-125670/1-A  
 Matrix: Solid  
 Analysis Batch: 125721

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			12/05/25 13:44	1

Lab Sample ID: LCS 880-125670/2-A  
 Matrix: Solid  
 Analysis Batch: 125721

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

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

Lab Sample ID: LCSD 880-125670/3-A  
 Matrix: Solid  
 Analysis Batch: 125721

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

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

Lab Sample ID: 890-9157-1 MS  
 Matrix: Solid  
 Analysis Batch: 125721

Client Sample ID: SW - 1  
 Prep Type: Soluble

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

Lab Sample ID: 890-9157-1 MSD  
 Matrix: Solid  
 Analysis Batch: 125721

Client Sample ID: SW - 1  
 Prep Type: Soluble

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

## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
 SDG: Eddy County, NM

## GC VOA

## Analysis Batch: 125613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-1	SW - 1	Total/NA	Solid	8021B	125647
890-9157-2	SW - 5	Total/NA	Solid	8021B	125647
MB 880-125630/5-A	Method Blank	Total/NA	Solid	8021B	125630
MB 880-125647/5-A	Method Blank	Total/NA	Solid	8021B	125647
LCS 880-125647/1-A	Lab Control Sample	Total/NA	Solid	8021B	125647
LCSD 880-125647/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125647

## Prep Batch: 125630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-125630/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 125647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-1	SW - 1	Total/NA	Solid	5035	
890-9157-2	SW - 5	Total/NA	Solid	5035	
MB 880-125647/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125647/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125647/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 125758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-1	SW - 1	Total/NA	Solid	Total BTEX	
890-9157-2	SW - 5	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 125597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-1	SW - 1	Total/NA	Solid	8015NM Prep	
890-9157-2	SW - 5	Total/NA	Solid	8015NM Prep	
MB 880-125597/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125597/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 125738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-1	SW - 1	Total/NA	Solid	8015B NM	125597
890-9157-2	SW - 5	Total/NA	Solid	8015B NM	125597
MB 880-125597/1-A	Method Blank	Total/NA	Solid	8015B NM	125597
LCS 880-125597/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125597
LCSD 880-125597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125597

## Analysis Batch: 125949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-1	SW - 1	Total/NA	Solid	8015 NM	
890-9157-2	SW - 5	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 125670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-1	SW - 1	Soluble	Solid	DI Leach	

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### QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
 SDG: Eddy County, NM

#### HPLC/IC (Continued)

##### Leach Batch: 125670 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-2	SW - 5	Soluble	Solid	DI Leach	
MB 880-125670/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125670/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125670/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9157-1 MS	SW - 1	Soluble	Solid	DI Leach	
890-9157-1 MSD	SW - 1	Soluble	Solid	DI Leach	

##### Analysis Batch: 125721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9157-1	SW - 1	Soluble	Solid	300.0	125670
890-9157-2	SW - 5	Soluble	Solid	300.0	125670
MB 880-125670/1-A	Method Blank	Soluble	Solid	300.0	125670
LCS 880-125670/2-A	Lab Control Sample	Soluble	Solid	300.0	125670
LCSD 880-125670/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125670
890-9157-1 MS	SW - 1	Soluble	Solid	300.0	125670
890-9157-1 MSD	SW - 1	Soluble	Solid	300.0	125670

### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
 SDG: Eddy County, NM

**Client Sample ID: SW - 1**

**Lab Sample ID: 890-9157-1**

**Date Collected: 12/02/25 08:00**

**Matrix: Solid**

**Date Received: 12/03/25 08:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	125647	12/04/25 10:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125613	12/04/25 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125758	12/04/25 23:12	SA	EET MID
Total/NA	Analysis	8015 NM		1			125949	12/06/25 02:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125597	12/03/25 16:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125738	12/06/25 02:16	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125670	12/04/25 13:37	SA	EET MID
Soluble	Analysis	300.0		1			125721	12/05/25 15:20	CS	EET MID

**Client Sample ID: SW - 5**

**Lab Sample ID: 890-9157-2**

**Date Collected: 12/02/25 08:05**

**Matrix: Solid**

**Date Received: 12/03/25 08:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	125647	12/04/25 10:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125613	12/04/25 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			125758	12/04/25 23:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			125949	12/06/25 02:36	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	125597	12/03/25 16:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	125738	12/06/25 02:36	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125670	12/04/25 13:37	SA	EET MID
Soluble	Analysis	300.0		1			125721	12/05/25 15:37	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
SDG: Eddy County, NM

#### Laboratory: Eurofins Midland

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

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Method Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
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



# Sample Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9157-1  
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9157-1	SW - 1	Solid	12/02/25 08:00	12/03/25 08:52	0-2
890-9157-2	SW - 5	Solid	12/02/25 08:05	12/03/25 08:52	0-2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# 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

Environment Testing  
 Xenco



Work Order No: \_\_\_\_\_

www.xenco.com Page \_\_\_\_\_ of \_\_\_\_\_

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

Project Name:	Todd 36 State #715H	Turn Around	
Project Number:	575	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	
Project Location:	Eddy County, NM	Due Date:	<b>Routine TAT</b>
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CCWO #			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Parameters	Pres. Code	ANALYSIS REQUEST		Preservative Codes
								TPH -NM	BTEX-NM	
SW-1	S	12.2.25	8:00	NA	Grab/	1	X	X		None: NO DI Water: H <sub>2</sub> O Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
SW-5	S	12.2.25	8:05	NA	Grab/	1	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	12-3 8:30			



Environment Testing  
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-9443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 1

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

Program:  UST/PST  PRF  Brownfields  RRD  Superfund  
 State of Project: \_\_\_\_\_  
 Reporting: Level II  Level III  PST/UST  TRRP  Level IV   
 Deliverables: EDD  ADAPT  Other: \_\_\_\_\_

Project Name:	Todd 36 State #715H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	575				
Project Location:	Eddy County, NM	Due Date:			
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab - if received by 4:30pm			
CC/WO #:					

SAMPLE RECEIPT	Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well-lee	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters
Samples Received Intact:	Thermometer ID:				
Cooler Custody Seals:	Correction Factor:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Sample Custody Seals:	Temperature Reading:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5.8		
Total Containers:	Corrected Temperature:		5.0		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp # of Cont	TPH - NM	Chloride - NM	BTEX - NM	Hold	Preservative Codes
SW-1	S	12.2.25	8:00	0-2 <del>1.5</del> 1.5	1	X	X	X		None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
SW-5	S	12.2.25	8:05	0-2 <del>1.5</del> 1.5	1	X	X	X		Incident Number nAPP2516155409

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed  
 Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Matt Brown</i>	<i>Sam X</i>	12-3 8:50			



**Eurofins Carlsbad**

1089 N Canal St.  
 Carlsbad, NM 88220  
 Phone: 575-988-3199 Fax: 575-988-3199

**Chain of Custody Record**



Environment Testing

**Client Information (Sub Contract Lab)**

Client Contact: N/A  
 Shipping/Receiving: N/A  
 Company: Eurofins Environment Testing South Cent  
 Address: 1211 W. Florida Ave.  
 City: Midland  
 State, Zip: TX, 79701  
 Phone: 432-704-5440 (Tel)  
 Email: N/A  
 Project Name: TODD 36 STATE #715H  
 Site: N/A  
 Lab PM: Teel, Brianna  
 E-Mail: Brianna.Teel@et.eurofins.com  
 Accreditation Required (See note): NELAP - Texas  
 Carrier Tracking No(s): N/A  
 State of Origin: New Mexico  
 COC No: 890-6201.1  
 Page: Page 1 of 1  
 Job #: 890-9157-1  
 Preservation Codes:

**Analysis Requested**

Date Requested: 12/9/2025  
 TAT Requested (days): N/A  
 PO #: N/A  
 WO #: N/A  
 Project #: 88001228  
 SSCW#: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C-comp, G-grab)	Matrix (Wet, Solid, Overstok, Br-Tess, Adul)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
SW - 1 (890-9157-1)	12/2/25	08:00	G	Solid	X	X	1	
SW - 5 (890-9157-2)	12/2/25	08:05	G	Solid	X	X	1	

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/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.

**Possible Hazard Identification**

Unclassified  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_  
 Primary Deliverable Rank: 2

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**

Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

**Empty/Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: 12/13 16:30 Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: 12/25 8:00 Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact:  Yes  No Custody Seal No.: \_\_\_\_\_ Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_



### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9157-1  
SDG Number: Eddy County, NM

**Login Number: 9157**  
**List Number: 1**  
**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9157-1  
SDG Number: Eddy County, NM

**Login Number: 9157**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 12/04/25 09:10 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 12/10/2025 5:29:38 PM Revision 1

## JOB DESCRIPTION

Todd 36 State #715H  
 Eddy County, NM

## JOB NUMBER

890-9164-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



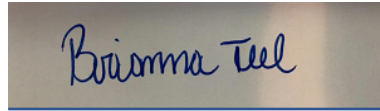
# Eurofins Carlsbad

## 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



Generated  
12/10/2025 5:29:38 PM  
Revision 1

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

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Laboratory Job ID: 890-9164-1  
SDG: Eddy County, NM

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## Definitions/Glossary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
SDG: Eddy County, NM

### Qualifiers

#### GC VOA

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

#### GC Semi VOA

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

#### HPLC/IC

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

### Glossary

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

# Case Narrative

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-9164-1

**Job ID: 890-9164-1**

**Eurofins Carlsbad**

**Job Narrative  
890-9164-1**

## REVISION

The report being provided is a revision of the original report sent on 12/10/2025. The report (revision 1) is being revised due to Revised to add depths and add comp to samples.

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

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

## **Receipt**

The samples were received on 12/4/2025 2:54 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.8°C.

## **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 2 (890-9164-1), SW - 3 (890-9164-2) and SW - 4 (890-9164-3).

## **GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-125744 and 880-126031 and analytical batch 880-126051 was outside the upper control limits.

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

## **Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-125706/2-A) and (LCSD 880-125706/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SW - 2 (890-9164-1), SW - 3 (890-9164-2) and SW - 4 (890-9164-3). Evidence of matrix interferences is not obvious.

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

## **HPLC/IC**

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

Eurofins Carlsbad

## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9164-1  
SDG: Eddy County, NM

Client Sample ID: SW - 2

Date Collected: 12/03/25 08:00

Date Received: 12/04/25 14:54

Sample Depth: 0-2

Lab Sample ID: 890-9164-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/08/25 11:41	12/10/25 00:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/08/25 11:41	12/10/25 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/08/25 11:41	12/10/25 00:59	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/08/25 11:41	12/10/25 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/10/25 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/09/25 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/05/25 08:25	12/09/25 11:01	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/05/25 08:25	12/09/25 11:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/05/25 08:25	12/09/25 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	12/05/25 08:25	12/09/25 11:01	1
o-Terphenyl	121		70 - 130	12/05/25 08:25	12/09/25 11:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		9.96		mg/Kg			12/06/25 01:02	1

Client Sample ID: SW - 3

Date Collected: 12/03/25 08:05

Date Received: 12/04/25 14:54

Sample Depth: 0-2

Lab Sample ID: 890-9164-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/08/25 11:41	12/10/25 01:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/08/25 11:41	12/10/25 01:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/08/25 11:41	12/10/25 01:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/08/25 11:41	12/10/25 01:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/08/25 11:41	12/10/25 01:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/08/25 11:41	12/10/25 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/08/25 11:41	12/10/25 01:20	1

Eurofins Carlsbad

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

**Client Sample ID: SW - 3**

**Lab Sample ID: 890-9164-2**

Date Collected: 12/03/25 08:05

Matrix: Solid

Date Received: 12/04/25 14:54

Sample Depth: 0-2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	115		70 - 130	12/08/25 11:41	12/10/25 01:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/10/25 01:20	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			12/09/25 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 11:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 11:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 11:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	12/05/25 08:25	12/09/25 11:15	1
o-Terphenyl	119		70 - 130	12/05/25 08:25	12/09/25 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		9.98		mg/Kg			12/06/25 01:08	1

**Client Sample ID: SW - 4**

**Lab Sample ID: 890-9164-3**

Date Collected: 12/03/25 08:10

Matrix: Solid

Date Received: 12/04/25 14:54

Sample Depth: 0-2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/08/25 11:41	12/10/25 01:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/08/25 11:41	12/10/25 01:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/08/25 11:41	12/10/25 01:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/08/25 11:41	12/10/25 01:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/08/25 11:41	12/10/25 01:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/08/25 11:41	12/10/25 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/08/25 11:41	12/10/25 01:40	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/08/25 11:41	12/10/25 01:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/10/25 01:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 11:29	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

**Client Sample ID: SW - 4**  
**Date Collected: 12/03/25 08:10**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 0-2**

**Lab Sample ID: 890-9164-3**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 11:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 11:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 11:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				12/05/25 08:25	12/09/25 11:29	1
o-Terphenyl	130		70 - 130				12/05/25 08:25	12/09/25 11:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.9		9.94		mg/Kg			12/06/25 01:13	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Surrogate Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-9164-1	SW - 2	102	106
890-9164-1 MS	SW - 2	98	92
890-9164-1 MSD	SW - 2	108	106
890-9164-2	SW - 3	127	115
890-9164-3	SW - 4	114	105
LCS 880-125744/1-A	Lab Control Sample	90	96
LCSD 880-125744/2-A	Lab Control Sample Dup	94	96
MB 880-125744/5-A	Method Blank	180 S1+	106
MB 880-126031/5-A	Method Blank	180 S1+	102

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-9164-1	SW - 2	133 S1+	121
890-9164-2	SW - 3	135 S1+	119
890-9164-3	SW - 4	145 S1+	130
LCS 880-125706/2-A	Lab Control Sample	165 S1+	131 S1+
LCSD 880-125706/3-A	Lab Control Sample Dup	181 S1+	144 S1+
MB 880-125706/1-A	Method Blank	129	111

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-125744/5-A  
 Matrix: Solid  
 Analysis Batch: 126051

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/08/25 11:41	12/10/25 00:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/08/25 11:41	12/10/25 00:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130	12/08/25 11:41	12/10/25 00:31	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/08/25 11:41	12/10/25 00:31	1

Lab Sample ID: LCS 880-125744/1-A  
 Matrix: Solid  
 Analysis Batch: 126051

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125744

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09624		mg/Kg		96	70 - 130
Toluene	0.100	0.08899		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.1026		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1803		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08936		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-125744/2-A  
 Matrix: Solid  
 Analysis Batch: 126051

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125744

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09463		mg/Kg		95	70 - 130	2	35
Toluene	0.100	0.08998		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1795		mg/Kg		90	70 - 130	0	35
o-Xylene	0.100	0.09262		mg/Kg		93	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-9164-1 MS  
 Matrix: Solid  
 Analysis Batch: 126051

Client Sample ID: SW - 2  
 Prep Type: Total/NA  
 Prep Batch: 125744

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08202		mg/Kg		82	70 - 130
Toluene	<0.00200	U	0.100	0.08152		mg/Kg		82	70 - 130

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

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

Lab Sample ID: 890-9164-1 MS  
 Matrix: Solid  
 Analysis Batch: 126051

Client Sample ID: SW - 2  
 Prep Type: Total/NA  
 Prep Batch: 125744

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08429		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1734		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.08568		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-9164-1 MSD  
 Matrix: Solid  
 Analysis Batch: 126051

Client Sample ID: SW - 2  
 Prep Type: Total/NA  
 Prep Batch: 125744

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1020		mg/Kg		102	70 - 130	22	35
Toluene	<0.00200	U	0.100	0.08648		mg/Kg		86	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.1015		mg/Kg		102	70 - 130	19	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2062		mg/Kg		103	70 - 130	17	35
o-Xylene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-126031/5-A  
 Matrix: Solid  
 Analysis Batch: 126051

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 126031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 08:12	12/09/25 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 08:12	12/09/25 12:54	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130	12/09/25 08:12	12/09/25 12:54	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/09/25 08:12	12/09/25 12:54	1

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

Lab Sample ID: MB 880-125706/1-A  
 Matrix: Solid  
 Analysis Batch: 126037

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 07:15	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-125706/1-A  
 Matrix: Solid  
 Analysis Batch: 126037

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125706

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 07:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 07:15	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	129		70 - 130	12/05/25 08:25	12/09/25 07:15	1
o-Terphenyl	111		70 - 130	12/05/25 08:25	12/09/25 07:15	1

Lab Sample ID: LCS 880-125706/2-A  
 Matrix: Solid  
 Analysis Batch: 126037

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1115		mg/Kg		112	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	165	S1+	70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: LCSD 880-125706/3-A  
 Matrix: Solid  
 Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	880.8		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1165		mg/Kg		116	70 - 130	4	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	181	S1+	70 - 130
o-Terphenyl	144	S1+	70 - 130

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

Lab Sample ID: MB 880-125735/1-A  
 Matrix: Solid  
 Analysis Batch: 125810

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			12/05/25 23:37	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: LCS 880-125735/2-A**  
**Matrix: Solid**  
**Analysis Batch: 125810**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.3		mg/Kg		98	90 - 110

**Lab Sample ID: LCSD 880-125735/3-A**  
**Matrix: Solid**  
**Analysis Batch: 125810**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.3		mg/Kg		98	90 - 110	0	20

**Lab Sample ID: 890-9164-3 MS**  
**Matrix: Solid**  
**Analysis Batch: 125810**

**Client Sample ID: SW - 4**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	29.9		249	278.1		mg/Kg		100	90 - 110

**Lab Sample ID: 890-9164-3 MSD**  
**Matrix: Solid**  
**Analysis Batch: 125810**

**Client Sample ID: SW - 4**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	29.9		249	279.7		mg/Kg		101	90 - 110	1	20

## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

## GC VOA

## Prep Batch: 125744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9164-1	SW - 2	Total/NA	Solid	5035	
890-9164-2	SW - 3	Total/NA	Solid	5035	
890-9164-3	SW - 4	Total/NA	Solid	5035	
MB 880-125744/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125744/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125744/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9164-1 MS	SW - 2	Total/NA	Solid	5035	
890-9164-1 MSD	SW - 2	Total/NA	Solid	5035	

## Prep Batch: 126031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126031/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 126051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9164-1	SW - 2	Total/NA	Solid	8021B	125744
890-9164-2	SW - 3	Total/NA	Solid	8021B	125744
890-9164-3	SW - 4	Total/NA	Solid	8021B	125744
MB 880-125744/5-A	Method Blank	Total/NA	Solid	8021B	125744
MB 880-126031/5-A	Method Blank	Total/NA	Solid	8021B	126031
LCS 880-125744/1-A	Lab Control Sample	Total/NA	Solid	8021B	125744
LCSD 880-125744/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125744
890-9164-1 MS	SW - 2	Total/NA	Solid	8021B	125744
890-9164-1 MSD	SW - 2	Total/NA	Solid	8021B	125744

## Analysis Batch: 126249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9164-1	SW - 2	Total/NA	Solid	Total BTEX	
890-9164-2	SW - 3	Total/NA	Solid	Total BTEX	
890-9164-3	SW - 4	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 125706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9164-1	SW - 2	Total/NA	Solid	8015NM Prep	
890-9164-2	SW - 3	Total/NA	Solid	8015NM Prep	
890-9164-3	SW - 4	Total/NA	Solid	8015NM Prep	
MB 880-125706/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125706/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 126037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9164-1	SW - 2	Total/NA	Solid	8015B NM	125706
890-9164-2	SW - 3	Total/NA	Solid	8015B NM	125706
890-9164-3	SW - 4	Total/NA	Solid	8015B NM	125706
MB 880-125706/1-A	Method Blank	Total/NA	Solid	8015B NM	125706
LCS 880-125706/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125706
LCSD 880-125706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125706

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### QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

#### GC Semi VOA

##### Analysis Batch: 126227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9164-1	SW - 2	Total/NA	Solid	8015 NM	
890-9164-2	SW - 3	Total/NA	Solid	8015 NM	
890-9164-3	SW - 4	Total/NA	Solid	8015 NM	

#### HPLC/IC

##### Leach Batch: 125735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9164-1	SW - 2	Soluble	Solid	DI Leach	
890-9164-2	SW - 3	Soluble	Solid	DI Leach	
890-9164-3	SW - 4	Soluble	Solid	DI Leach	
MB 880-125735/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125735/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125735/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9164-3 MS	SW - 4	Soluble	Solid	DI Leach	
890-9164-3 MSD	SW - 4	Soluble	Solid	DI Leach	

##### Analysis Batch: 125810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9164-1	SW - 2	Soluble	Solid	300.0	125735
890-9164-2	SW - 3	Soluble	Solid	300.0	125735
890-9164-3	SW - 4	Soluble	Solid	300.0	125735
MB 880-125735/1-A	Method Blank	Soluble	Solid	300.0	125735
LCS 880-125735/2-A	Lab Control Sample	Soluble	Solid	300.0	125735
LCSD 880-125735/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125735
890-9164-3 MS	SW - 4	Soluble	Solid	300.0	125735
890-9164-3 MSD	SW - 4	Soluble	Solid	300.0	125735

### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
 SDG: Eddy County, NM

**Client Sample ID: SW - 2**

**Lab Sample ID: 890-9164-1**

**Date Collected: 12/03/25 08:00**

**Matrix: Solid**

**Date Received: 12/04/25 14:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125744	12/08/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 00:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126249	12/10/25 00:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			126227	12/09/25 11:01	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 11:01	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 01:02	CS	EET MID

**Client Sample ID: SW - 3**

**Lab Sample ID: 890-9164-2**

**Date Collected: 12/03/25 08:05**

**Matrix: Solid**

**Date Received: 12/04/25 14:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125744	12/08/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 01:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126249	12/10/25 01:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			126227	12/09/25 11:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 11:15	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 01:08	CS	EET MID

**Client Sample ID: SW - 4**

**Lab Sample ID: 890-9164-3**

**Date Collected: 12/03/25 08:10**

**Matrix: Solid**

**Date Received: 12/04/25 14:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125744	12/08/25 11:41	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126051	12/10/25 01:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126249	12/10/25 01:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			126227	12/09/25 11:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 11:29	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 01:13	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
SDG: Eddy County, NM

#### Laboratory: Eurofins Midland

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

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

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

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

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# Method Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
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



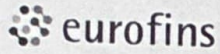
### Sample Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9164-1  
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9164-1	SW - 2	Solid	12/03/25 08:00	12/04/25 14:54	0-2
890-9164-2	SW - 3	Solid	12/03/25 08:05	12/04/25 14:54	0-2
890-9164-3	SW - 4	Solid	12/03/25 08:10	12/04/25 14:54	0-2

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Environment Testing  
Xenco

### Chain of Custody

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

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 1

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

**Work Order Comments**

Program: UST/PST  PRF  Brownfields  RRC  Superfund

State of Project:

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

Deliverables: EDD  ADaPT  Other: \_\_\_\_\_

Project Name:	Todd 36 State #715H	<b>Turn Around</b>		Pres. Code	<b>ANALYSIS REQUEST</b>										<b>Preservative Codes</b>			
Project Number:	575	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H <sub>2</sub> O
Project Location:	Eddy County, NM	Due Date:	Routine TAT														Cool: Cool	MeOH: Me

Sampler's Name: Santiago Giron  
TAT starts the day received by the lab, if received by 4:30pm

CCWO#:

**SAMPLE RECEIPT**

Temp Blank:  Yes  No  
Wet Ice:  Yes  No

Samples Received Intact:  Yes  No  
Thermometer ID: T-1007

Cooler Custody Seals: Yes  No  N/A  
Correction Factor: -0.2

Sample Custody Seals: Yes  No  N/A  
Temperature Reading: -4.0

Total Containers: \_\_\_\_\_  
Corrected Temperature: -3.8

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride -NM	BTEX -NM	Hold	Parameters	Sample Comments	
												Incident Number	nAPP2516155409
SW-2	S	12.3.25	8:00	0-2	Grab/	1	X	X	X				
SW-3	S	12.3.25	8:05	NA	Grab/	1	X	X	X				
SW-4	S	12.3.25	8:10	NA	Grab/	1	X	X	X				

Total 200.7 / 6010    200.8 / 6020:    8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

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

Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Michael Garcia</i>	<i>[Signature]</i>	12-11-15			

# 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) 794-1298  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing  
 Xenco


Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 1

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

Program:	UST/PST <input type="checkbox"/> PRF <input type="checkbox"/> Brownfields <input type="checkbox"/> RRD <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level I <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name:	Todd 36 State #715H	Turn Around	
Project Number:	575	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	
Project Location:	Eddy County, NM	Due Date:	<b>Routine TAT</b>
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CCAWO #:			

ANALYSIS REQUEST	Pres. Code	Parameters
		
890-9164 Chain of Custody		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	TPH -NM	Chloride -NM	BTEX -NM	Hold
SW-2	S	12.3.25	8:00	NA	Grab/ 1	X	X	X	
SW-3	S	12.3.25	8:05	NA	Grab/ 1	X	X	X	
SW-4	S	12.3.25	8:10	NA	Grab/ 1	X	X	X	

None: NO	DI Water: H <sub>2</sub> O
Cool: Cool	MeOH: Me
HCL: HC	HNO <sub>3</sub> : HN
H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
H <sub>3</sub> PO <sub>4</sub> : HP	
NaHSO <sub>4</sub> : NABIS	
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SACP	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Matthew Giron</i>	<i>Brian V</i>	12-4 14:54			



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**Eurofins Carlsbad**

1089 N Canal St.  
 Carlsbad, NM 88220  
 Phone: 575-988-3199 Fax: 575-988-3199

**Chain of Custody Record**



**Client Information (Sub Contract Lab)**  
 Client Contact: N/A  
 Shipping/Receiving: N/A  
 Company: Eurofins Environment Testing South Cent  
 Address: 1211 W. Florida Ave.  
 City: Midland  
 State Zip: TX, 79701  
 Phone: 432-704-5440(Tel)  
 Email: N/A  
 Project Name: TODD 36 STATE #715H  
 Site: N/A

Sampler: N/A  
 Lab PM: Teel, Brianna  
 E-Mail: Brianna.Teel@et.eurofins.com  
 Accreditations Required (See note): NELAP - Texas  
 Carrier Tracking No(s): N/A  
 State of Origin: New Mexico  
 Job #: 890-9164-1  
 Preservation Codes: 890-9164-1  
 COC No: 890-6205-1  
 Page: Page 1 of 1

Date Data Requested: 12/10/2025  
 TAT Requested (days): N/A  
 Analysis Requested

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=overhaul, B=BTX, A=As)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
SW - 2 (890-9164-1)	12/3/25	08:00	G	Solid		X	X	X	X	X	X	X	1	
SW - 3 (890-9164-2)	12/3/25	08:05	G	Solid		X	X	X	X	X	X	X	1	
SW - 4 (890-9164-3)	12/3/25	08:10	G	Solid		X	X	X	X	X	X	X	1	

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/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.

**Possible Hazard Identification**

Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (Specify) Primary Deliverable Rank: 2  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: *Don &* Date/Time: 12-11 16:30 Company: Received by: *SA* Date/Time: 0800 12:55 Company:

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Custody Seals Intact:  Yes  No Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:  
 Ver: 10/10/2024

### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9164-1  
SDG Number: Eddy County, NM

**Login Number: 9164**  
**List Number: 1**  
**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9164-1  
SDG Number: Eddy County, NM

**Login Number: 9164**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 12/05/25 08:21 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 12/11/2025 9:07:20 AM Revision 1

## JOB DESCRIPTION

Todd 36 State #715H  
 Eddy County, NM

## JOB NUMBER

890-9165-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



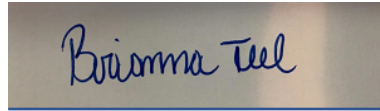
# Eurofins Carlsbad

## 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



Generated  
12/11/2025 9:07:20 AM  
Revision 1

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

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Laboratory Job ID: 890-9165-1  
SDG: Eddy County, NM

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## Definitions/Glossary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
SDG: Eddy County, NM

### Qualifiers

#### GC VOA

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

#### GC Semi VOA

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

#### HPLC/IC

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

### Glossary

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

**Case Narrative**

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-9165-1

**Job ID: 890-9165-1****Eurofins Carlsbad****Job Narrative  
890-9165-1**REVISION

The report being provided is a revision of the original report sent on 12/10/2025. The report (revision 1) is being revised due to Revised to correct depths and add comp to samples.

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

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

**Receipt**

The samples were received on 12/4/2025 2:54 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.8°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-17 (890-9165-1), CS-18 (890-9165-2), CS-19 (890-9165-3), CS-20 (890-9165-4), CS-21 (890-9165-5), CS-22 (890-9165-6), CS-23 (890-9165-7), CS-24 (890-9165-8), CS-25 (890-9165-9), CS-26 (890-9165-10), CS-27 (890-9165-11), CS-28 (890-9165-12), CS-29 (890-9165-13), CS-30 (890-9165-14) and CS-31 (890-9165-15).

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-23 (890-9165-7). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-125729 and analytical batch 880-125702 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside the upper control limit: CS-19 (890-9165-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-125646 and analytical batch 880-125857 was outside the upper control limits.

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

**Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: CS-19 (890-9165-3), CS-20 (890-9165-4) and CS-21 (890-9165-5). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-125706/2-A) and (LCSD 880-125706/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: CS-24 (890-9165-8), CS-25 (890-9165-9), CS-26 (890-9165-10), CS-27 (890-9165-11), CS-28 (890-9165-12), CS-29 (890-9165-13), CS-30 (890-9165-14) and CS-31 (890-9165-15). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: CS-17 (890-9165-1) and CS-18 (890-9165-2). Evidence of matrix interferences is not obvious.

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## Case Narrative

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-9165-1

**Job ID: 890-9165-1 (Continued)**

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

### HPLC/IC

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

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## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9165-1  
SDG: Eddy County, NM

Client Sample ID: CS-17

Lab Sample ID: 890-9165-1

Date Collected: 12/03/25 08:15

Matrix: Solid

Date Received: 12/04/25 14:54

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		12/05/25 10:20	12/05/25 13:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 13:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 13:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/25 10:20	12/05/25 13:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 13:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/25 10:20	12/05/25 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/05/25 10:20	12/05/25 13:18	1
1,4-Difluorobenzene (Surr)	125		70 - 130	12/05/25 10:20	12/05/25 13:18	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			12/05/25 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/05/25 08:25	12/09/25 11:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/05/25 08:25	12/09/25 11:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/25 08:25	12/09/25 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	12/05/25 08:25	12/09/25 11:43	1
o-Terphenyl	130		70 - 130	12/05/25 08:25	12/09/25 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	381		9.98		mg/Kg			12/06/25 01:30	1

Client Sample ID: CS-18

Lab Sample ID: 890-9165-2

Date Collected: 12/03/25 08:20

Matrix: Solid

Date Received: 12/04/25 14:54

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		12/05/25 10:20	12/05/25 13:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 13:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 13:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/25 10:20	12/05/25 13:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 13:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/25 10:20	12/05/25 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/05/25 10:20	12/05/25 13:38	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-18**  
 Date Collected: 12/03/25 08:20  
 Date Received: 12/04/25 14:54  
 Sample Depth: 2

**Lab Sample ID: 890-9165-2**  
 Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	83		70 - 130	12/05/25 10:20	12/05/25 13:38	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			12/05/25 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 11:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 11:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	12/05/25 08:25	12/09/25 11:56	1
o-Terphenyl	127		70 - 130	12/05/25 08:25	12/09/25 11:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	967		10.0		mg/Kg			12/06/25 01:36	1

**Client Sample ID: CS-19**  
 Date Collected: 12/03/25 08:25  
 Date Received: 12/04/25 14:54  
 Sample Depth: 2

**Lab Sample ID: 890-9165-3**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 13:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 13:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 13:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/25 10:20	12/05/25 13:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 13:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/25 10:20	12/05/25 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	12/05/25 10:20	12/05/25 13:59	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/05/25 10:20	12/05/25 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/25 13:59	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			12/09/25 12:11	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-19**  
**Date Collected: 12/03/25 08:25**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-3**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 12:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 12:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130				12/05/25 08:25	12/09/25 12:11	1
o-Terphenyl	151	S1+	70 - 130				12/05/25 08:25	12/09/25 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	563		10.1		mg/Kg			12/06/25 01:53	1

**Client Sample ID: CS-20**  
**Date Collected: 12/03/25 08:30**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-4**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 14:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 14:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 14:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/25 10:20	12/05/25 14:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 14:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/25 10:20	12/05/25 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/05/25 10:20	12/05/25 14:19	1
1,4-Difluorobenzene (Surr)	113		70 - 130				12/05/25 10:20	12/05/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>88.7</b>		50.0		mg/Kg			12/09/25 12:25	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	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 12:25	1
<b>Diesel Range Organics (Over C10-C28)</b>	<b>88.7</b>		50.0		mg/Kg		12/05/25 08:25	12/09/25 12:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	187	S1+	70 - 130				12/05/25 08:25	12/09/25 12:25	1
o-Terphenyl	170	S1+	70 - 130				12/05/25 08:25	12/09/25 12:25	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-20**  
 Date Collected: 12/03/25 08:30  
 Date Received: 12/04/25 14:54  
 Sample Depth: 2

**Lab Sample ID: 890-9165-4**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		10.1		mg/Kg			12/06/25 01:58	1

**Client Sample ID: CS-21**  
 Date Collected: 12/03/25 08:35  
 Date Received: 12/04/25 14:54  
 Sample Depth: 2

**Lab Sample ID: 890-9165-5**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/05/25 10:20	12/05/25 14:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/05/25 10:20	12/05/25 14:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/05/25 10:20	12/05/25 14:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/05/25 10:20	12/05/25 14:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/05/25 10:20	12/05/25 14:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/05/25 10:20	12/05/25 14:40	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	111		70 - 130				12/05/25 10:20	12/05/25 14:40	1
1,4-Difluorobenzene (Surr)	113		70 - 130				12/05/25 10:20	12/05/25 14:40	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			12/05/25 14:40	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			12/09/25 12:39	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		12/05/25 08:25	12/09/25 12:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 12:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 12:39	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	175	S1+	70 - 130				12/05/25 08:25	12/09/25 12:39	1
o-Terphenyl	156	S1+	70 - 130				12/05/25 08:25	12/09/25 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.4		9.92		mg/Kg			12/06/25 02:04	1

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## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9165-1  
SDG: Eddy County, NM

Client Sample ID: CS-22

Lab Sample ID: 890-9165-6

Date Collected: 12/03/25 08:40

Matrix: Solid

Date Received: 12/04/25 14:54

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 15:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 15:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 15:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/25 10:20	12/05/25 15:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 15:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/25 10:20	12/05/25 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	12/05/25 10:20	12/05/25 15:00	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/05/25 10:20	12/05/25 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/25 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 12:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 12:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	12/05/25 08:25	12/09/25 12:53	1
o-Terphenyl	111		70 - 130	12/05/25 08:25	12/09/25 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		9.94		mg/Kg			12/06/25 02:10	1

Client Sample ID: CS-23

Lab Sample ID: 890-9165-7

Date Collected: 12/03/25 08:45

Matrix: Solid

Date Received: 12/04/25 14:54

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 15:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 15:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 15:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/25 10:20	12/05/25 15:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/25 10:20	12/05/25 15:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/25 10:20	12/05/25 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	12/05/25 10:20	12/05/25 15:20	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-23**  
**Date Collected: 12/03/25 08:45**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-7**  
**Matrix: Solid**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	80		70 - 130	12/05/25 10:20	12/05/25 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/25 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/09/25 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/05/25 08:25	12/09/25 13:22	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/05/25 08:25	12/09/25 13:22	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/05/25 08:25	12/09/25 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	12/05/25 08:25	12/09/25 13:22	1
o-Terphenyl	111		70 - 130	12/05/25 08:25	12/09/25 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.0		9.92		mg/Kg			12/06/25 02:15	1

**Client Sample ID: CS-24**  
**Date Collected: 12/03/25 08:50**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-8**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/25 10:20	12/05/25 15:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/25 10:20	12/05/25 15:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/25 10:20	12/05/25 15:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/05/25 10:20	12/05/25 15:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/25 10:20	12/05/25 15:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/05/25 10:20	12/05/25 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	12/05/25 10:20	12/05/25 15:41	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/05/25 10:20	12/05/25 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/05/25 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 13:36	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-24**  
**Date Collected: 12/03/25 08:50**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-8**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 13:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 13:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				12/05/25 08:25	12/09/25 13:36	1
o-Terphenyl	123		70 - 130				12/05/25 08:25	12/09/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			12/06/25 02:21	1

**Client Sample ID: CS-25**  
**Date Collected: 12/03/25 08:55**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-9**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 16:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 16:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 16:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/25 10:20	12/05/25 16:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 16:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/25 10:20	12/05/25 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				12/05/25 10:20	12/05/25 16:01	1
1,4-Difluorobenzene (Surr)	79		70 - 130				12/05/25 10:20	12/05/25 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/25 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 13:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 13:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				12/05/25 08:25	12/09/25 13:51	1
o-Terphenyl	119		70 - 130				12/05/25 08:25	12/09/25 13:51	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-25**  
 Date Collected: 12/03/25 08:55  
 Date Received: 12/04/25 14:54  
 Sample Depth: 2

**Lab Sample ID: 890-9165-9**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.3		10.0		mg/Kg			12/06/25 02:27	1

**Client Sample ID: CS-26**  
 Date Collected: 12/03/25 09:00  
 Date Received: 12/04/25 14:54  
 Sample Depth: 2

**Lab Sample ID: 890-9165-10**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/05/25 10:20	12/05/25 16:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/05/25 10:20	12/05/25 16:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/05/25 10:20	12/05/25 16:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/05/25 10:20	12/05/25 16:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/05/25 10:20	12/05/25 16:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/05/25 10:20	12/05/25 16:22	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	106		70 - 130				12/05/25 10:20	12/05/25 16:22	1
1,4-Difluorobenzene (Surr)	78		70 - 130				12/05/25 10:20	12/05/25 16:22	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			12/05/25 16:22	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			12/09/25 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 14:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 14:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 14:05	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	132	S1+	70 - 130				12/05/25 08:25	12/09/25 14:05	1
o-Terphenyl	117		70 - 130				12/05/25 08:25	12/09/25 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		10.0		mg/Kg			12/06/25 02:12	1

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## Client Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9165-1  
SDG: Eddy County, NM

Client Sample ID: CS-27

Lab Sample ID: 890-9165-11

Date Collected: 12/03/25 09:05

Matrix: Solid

Date Received: 12/04/25 14:54

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 17:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 17:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 17:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/25 10:20	12/05/25 17:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 17:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/25 10:20	12/05/25 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/05/25 10:20	12/05/25 17:56	1
1,4-Difluorobenzene (Surr)	119		70 - 130	12/05/25 10:20	12/05/25 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/25 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 14:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	12/05/25 08:25	12/09/25 14:19	1
o-Terphenyl	119		70 - 130	12/05/25 08:25	12/09/25 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		10.1		mg/Kg			12/06/25 02:18	1

Client Sample ID: CS-28

Lab Sample ID: 890-9165-12

Date Collected: 12/03/25 09:10

Matrix: Solid

Date Received: 12/04/25 14:54

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		12/05/25 10:20	12/05/25 18:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 18:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 18:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/25 10:20	12/05/25 18:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 18:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/25 10:20	12/05/25 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/05/25 10:20	12/05/25 18:16	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-28**  
**Date Collected: 12/03/25 09:10**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-12**  
**Matrix: Solid**

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	12/05/25 10:20	12/05/25 18:16	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			12/05/25 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 14:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 14:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	12/05/25 08:25	12/09/25 14:33	1
o-Terphenyl	118		70 - 130	12/05/25 08:25	12/09/25 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			12/06/25 02:24	1

**Client Sample ID: CS-29**  
**Date Collected: 12/03/25 09:15**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-13**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/08/25 08:55	12/08/25 14:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/08/25 08:55	12/08/25 14:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/08/25 08:55	12/08/25 14:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/08/25 08:55	12/08/25 14:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/08/25 08:55	12/08/25 14:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/08/25 08:55	12/08/25 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/08/25 08:55	12/08/25 14:20	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/08/25 08:55	12/08/25 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/08/25 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/25 14:48	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-29**  
**Date Collected: 12/03/25 09:15**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-13**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				12/05/25 08:25	12/09/25 14:48	1
o-Terphenyl	117		70 - 130				12/05/25 08:25	12/09/25 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.7		10.0		mg/Kg			12/06/25 02:30	1

**Client Sample ID: CS-30**  
**Date Collected: 12/03/25 09:20**  
**Date Received: 12/04/25 14:54**  
**Sample Depth: 2**

**Lab Sample ID: 890-9165-14**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 18:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 18:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 18:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/25 10:20	12/05/25 18:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/25 10:20	12/05/25 18:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/25 10:20	12/05/25 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				12/05/25 10:20	12/05/25 18:57	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/05/25 10:20	12/05/25 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/25 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/25 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/05/25 08:25	12/09/25 15:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/05/25 08:25	12/09/25 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/25 08:25	12/09/25 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				12/05/25 08:25	12/09/25 15:02	1
o-Terphenyl	122		70 - 130				12/05/25 08:25	12/09/25 15:02	1

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### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-30**  
 Date Collected: 12/03/25 09:20  
 Date Received: 12/04/25 14:54  
 Sample Depth: 2

**Lab Sample ID: 890-9165-14**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		10.1		mg/Kg			12/06/25 02:36	1

**Client Sample ID: CS-31**  
 Date Collected: 12/03/25 09:25  
 Date Received: 12/04/25 14:54  
 Sample Depth: 2

**Lab Sample ID: 890-9165-15**  
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:47	12/08/25 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:47	12/08/25 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:47	12/08/25 19:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/25 10:47	12/08/25 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:47	12/08/25 19:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/25 10:47	12/08/25 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/05/25 10:47	12/08/25 19:01	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/05/25 10:47	12/08/25 19:01	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			12/08/25 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/25 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 15:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 15:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/25 08:25	12/09/25 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	12/05/25 08:25	12/09/25 15:17	1
o-Terphenyl	126		70 - 130	12/05/25 08:25	12/09/25 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		10.0		mg/Kg			12/06/25 02:42	1

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## Surrogate Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715HJob ID: 890-9165-1  
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9165-1	CS-17	119	125
890-9165-1 MS	CS-17	125	118
890-9165-1 MSD	CS-17	119	104
890-9165-2	CS-18	100	83
890-9165-3	CS-19	132 S1+	111
890-9165-4	CS-20	111	113
890-9165-5	CS-21	111	113
890-9165-6	CS-22	128	110
890-9165-7	CS-23	68 S1-	80
890-9165-8	CS-24	81	92
890-9165-9	CS-25	95	79
890-9165-10	CS-26	106	78
890-9165-11	CS-27	104	119
890-9165-12	CS-28	112	94
890-9165-13	CS-29	104	84
890-9165-14	CS-30	82	101
890-9165-15	CS-31	114	111
LCS 880-125646/1-A	Lab Control Sample	92	97
LCS 880-125729/1-A	Lab Control Sample	120	105
LCS 880-125868/1-A	Lab Control Sample	105	107
LCSD 880-125646/2-A	Lab Control Sample Dup	97	92
LCSD 880-125729/2-A	Lab Control Sample Dup	127	112
LCSD 880-125868/2-A	Lab Control Sample Dup	96	101
MB 880-125646/5-A	Method Blank	184 S1+	117
MB 880-125729/5-A	Method Blank	137 S1+	113
MB 880-125868/5-B	Method Blank	103	88

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9165-1	CS-17	144 S1+	130
890-9165-2	CS-18	139 S1+	127
890-9165-3	CS-19	169 S1+	151 S1+
890-9165-4	CS-20	187 S1+	170 S1+
890-9165-5	CS-21	175 S1+	156 S1+
890-9165-6	CS-22	121	111
890-9165-7	CS-23	123	111
890-9165-8	CS-24	148 S1+	123
890-9165-9	CS-25	138 S1+	119
890-9165-10	CS-26	132 S1+	117
890-9165-11	CS-27	136 S1+	119
890-9165-12	CS-28	136 S1+	118
890-9165-13	CS-29	134 S1+	117

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### Surrogate Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
SDG: Eddy County, NM

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

**Matrix: Solid**

**Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9165-14	CS-30	139 S1+	122
890-9165-15	CS-31	141 S1+	126
LCS 880-125706/2-A	Lab Control Sample	165 S1+	131 S1+
LCSD 880-125706/3-A	Lab Control Sample Dup	181 S1+	144 S1+
MB 880-125706/1-A	Method Blank	129	111

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-125646/5-A  
 Matrix: Solid  
 Analysis Batch: 125857

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/04/25 10:47	12/08/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/04/25 10:47	12/08/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/04/25 10:47	12/08/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/04/25 10:47	12/08/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/04/25 10:47	12/08/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/04/25 10:47	12/08/25 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130	12/04/25 10:47	12/08/25 11:15	1
1,4-Difluorobenzene (Surr)	117		70 - 130	12/04/25 10:47	12/08/25 11:15	1

Lab Sample ID: LCS 880-125646/1-A  
 Matrix: Solid  
 Analysis Batch: 125857

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1005		mg/Kg		100	70 - 130
Toluene	0.100	0.09159		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.1032		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1754		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08565		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-125646/2-A  
 Matrix: Solid  
 Analysis Batch: 125857

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125646

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09405		mg/Kg		94	70 - 130	7	35
Toluene	0.100	0.09475		mg/Kg		95	70 - 130	3	35
Ethylbenzene	0.100	0.1003		mg/Kg		100	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1765		mg/Kg		88	70 - 130	1	35
o-Xylene	0.100	0.08270		mg/Kg		83	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-125729/5-A  
 Matrix: Solid  
 Analysis Batch: 125702

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 12:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 12:56	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-125729/5-A  
 Matrix: Solid  
 Analysis Batch: 125702

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125729

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 12:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/25 10:20	12/05/25 12:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/25 10:20	12/05/25 12:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/25 10:20	12/05/25 12:56	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	12/05/25 10:20	12/05/25 12:56	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/05/25 10:20	12/05/25 12:56	1

Lab Sample ID: LCS 880-125729/1-A  
 Matrix: Solid  
 Analysis Batch: 125702

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.09876		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09946		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2024		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-125729/2-A  
 Matrix: Solid  
 Analysis Batch: 125702

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125729

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Toluene	0.100	0.1021		mg/Kg		102	70 - 130	3	35
Ethylbenzene	0.100	0.1044		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		107	70 - 130	5	35
o-Xylene	0.100	0.1091		mg/Kg		109	70 - 130	6	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-9165-1 MS  
 Matrix: Solid  
 Analysis Batch: 125702

Client Sample ID: CS-17  
 Prep Type: Total/NA  
 Prep Batch: 125729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U	0.100	0.1055		mg/Kg		105	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1049		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2174		mg/Kg		109	70 - 130

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

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

Lab Sample ID: 890-9165-1 MS  
 Matrix: Solid  
 Analysis Batch: 125702

Client Sample ID: CS-17  
 Prep Type: Total/NA  
 Prep Batch: 125729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
o-Xylene	<0.00200	U	0.100	0.1093		mg/Kg		109	70 - 130	
<b>Surrogate</b>	<b>%Recovery</b>	<b>MS Qualifier</b>	<b>MS Limits</b>							
4-Bromofluorobenzene (Surr)	125		70 - 130							
1,4-Difluorobenzene (Surr)	118		70 - 130							

Lab Sample ID: 890-9165-1 MSD  
 Matrix: Solid  
 Analysis Batch: 125702

Client Sample ID: CS-17  
 Prep Type: Total/NA  
 Prep Batch: 125729

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09401		mg/Kg		94	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.09381		mg/Kg		94	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.100	0.09169		mg/Kg		92	70 - 130	13	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1877		mg/Kg		94	70 - 130	15	35
o-Xylene	<0.00200	U	0.100	0.09469		mg/Kg		95	70 - 130	14	35
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>MSD Limits</b>								
4-Bromofluorobenzene (Surr)	119		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

Lab Sample ID: MB 880-125868/5-B  
 Matrix: Solid  
 Analysis Batch: 125855

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/08/25 08:55	12/08/25 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/08/25 08:55	12/08/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/08/25 08:55	12/08/25 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/08/25 08:55	12/08/25 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/08/25 08:55	12/08/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/08/25 08:55	12/08/25 11:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>MB Qualifier</b>	<b>MB Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	103		70 - 130				12/08/25 08:55	12/08/25 11:15	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/08/25 08:55	12/08/25 11:15	1

Lab Sample ID: LCS 880-125868/1-A  
 Matrix: Solid  
 Analysis Batch: 125855

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1203		mg/Kg		120	70 - 130
Toluene	0.100	0.1104		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1166		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2154		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1053		mg/Kg		105	70 - 130

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-125868/1-A  
 Matrix: Solid  
 Analysis Batch: 125855

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125868

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-125868/2-A  
 Matrix: Solid  
 Analysis Batch: 125855

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125868

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1114		mg/Kg		111	70 - 130	8	35
Toluene	0.100	0.1019		mg/Kg		102	70 - 130	8	35
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2022		mg/Kg		101	70 - 130	6	35
o-Xylene	0.100	0.09733		mg/Kg		97	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-125706/1-A  
 Matrix: Solid  
 Analysis Batch: 126037

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 125706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 07:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 07:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/25 08:25	12/09/25 07:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	12/05/25 08:25	12/09/25 07:15	1
o-Terphenyl	111		70 - 130	12/05/25 08:25	12/09/25 07:15	1

Lab Sample ID: LCS 880-125706/2-A  
 Matrix: Solid  
 Analysis Batch: 126037

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 125706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	891.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1115		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	165	S1+	70 - 130
o-Terphenyl	131	S1+	70 - 130

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-125706/3-A  
 Matrix: Solid  
 Analysis Batch: 126037

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 125706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	880.8		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1165		mg/Kg		116	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	181	S1+	70 - 130
o-Terphenyl	144	S1+	70 - 130

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

Lab Sample ID: MB 880-125730/1-A  
 Matrix: Solid  
 Analysis Batch: 125745

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/05/25 23:58	1

Lab Sample ID: LCS 880-125730/2-A  
 Matrix: Solid  
 Analysis Batch: 125745

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

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

Lab Sample ID: LCSD 880-125730/3-A  
 Matrix: Solid  
 Analysis Batch: 125745

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	236.0		mg/Kg		94	90 - 110	2	20

Lab Sample ID: MB 880-125735/1-A  
 Matrix: Solid  
 Analysis Batch: 125810

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/05/25 23:37	1

Lab Sample ID: LCS 880-125735/2-A  
 Matrix: Solid  
 Analysis Batch: 125810

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.3		mg/Kg		98	90 - 110

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### QC Sample Results

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
SDG: Eddy County, NM

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-125735/3-A  
Matrix: Solid  
Analysis Batch: 125810

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.3		mg/Kg		98	90 - 110	0	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

## GC VOA

## Prep Batch: 125646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-15	CS-31	Total/NA	Solid	5035	
MB 880-125646/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125646/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125646/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 125702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-1	CS-17	Total/NA	Solid	8021B	125729
890-9165-2	CS-18	Total/NA	Solid	8021B	125729
890-9165-3	CS-19	Total/NA	Solid	8021B	125729
890-9165-4	CS-20	Total/NA	Solid	8021B	125729
890-9165-5	CS-21	Total/NA	Solid	8021B	125729
890-9165-6	CS-22	Total/NA	Solid	8021B	125729
890-9165-7	CS-23	Total/NA	Solid	8021B	125729
890-9165-8	CS-24	Total/NA	Solid	8021B	125729
890-9165-9	CS-25	Total/NA	Solid	8021B	125729
890-9165-10	CS-26	Total/NA	Solid	8021B	125729
890-9165-11	CS-27	Total/NA	Solid	8021B	125729
890-9165-12	CS-28	Total/NA	Solid	8021B	125729
890-9165-14	CS-30	Total/NA	Solid	8021B	125729
MB 880-125729/5-A	Method Blank	Total/NA	Solid	8021B	125729
LCS 880-125729/1-A	Lab Control Sample	Total/NA	Solid	8021B	125729
LCSD 880-125729/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125729
890-9165-1 MS	CS-17	Total/NA	Solid	8021B	125729
890-9165-1 MSD	CS-17	Total/NA	Solid	8021B	125729

## Prep Batch: 125729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-1	CS-17	Total/NA	Solid	5035	
890-9165-2	CS-18	Total/NA	Solid	5035	
890-9165-3	CS-19	Total/NA	Solid	5035	
890-9165-4	CS-20	Total/NA	Solid	5035	
890-9165-5	CS-21	Total/NA	Solid	5035	
890-9165-6	CS-22	Total/NA	Solid	5035	
890-9165-7	CS-23	Total/NA	Solid	5035	
890-9165-8	CS-24	Total/NA	Solid	5035	
890-9165-9	CS-25	Total/NA	Solid	5035	
890-9165-10	CS-26	Total/NA	Solid	5035	
890-9165-11	CS-27	Total/NA	Solid	5035	
890-9165-12	CS-28	Total/NA	Solid	5035	
890-9165-14	CS-30	Total/NA	Solid	5035	
MB 880-125729/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-125729/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125729/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9165-1 MS	CS-17	Total/NA	Solid	5035	
890-9165-1 MSD	CS-17	Total/NA	Solid	5035	

## Analysis Batch: 125855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-13	CS-29	Total/NA	Solid	8021B	125868
MB 880-125868/5-B	Method Blank	Total/NA	Solid	8021B	125868

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

## GC VOA (Continued)

## Analysis Batch: 125855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-125868/1-A	Lab Control Sample	Total/NA	Solid	8021B	125868
LCSD 880-125868/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125868

## Analysis Batch: 125857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-15	CS-31	Total/NA	Solid	8021B	125646
MB 880-125646/5-A	Method Blank	Total/NA	Solid	8021B	125646
LCS 880-125646/1-A	Lab Control Sample	Total/NA	Solid	8021B	125646
LCSD 880-125646/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	125646

## Prep Batch: 125868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-13	CS-29	Total/NA	Solid	5035	
MB 880-125868/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-125868/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-125868/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 126001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-1	CS-17	Total/NA	Solid	Total BTEX	
890-9165-2	CS-18	Total/NA	Solid	Total BTEX	
890-9165-3	CS-19	Total/NA	Solid	Total BTEX	
890-9165-4	CS-20	Total/NA	Solid	Total BTEX	
890-9165-5	CS-21	Total/NA	Solid	Total BTEX	
890-9165-6	CS-22	Total/NA	Solid	Total BTEX	
890-9165-7	CS-23	Total/NA	Solid	Total BTEX	
890-9165-8	CS-24	Total/NA	Solid	Total BTEX	
890-9165-9	CS-25	Total/NA	Solid	Total BTEX	
890-9165-10	CS-26	Total/NA	Solid	Total BTEX	
890-9165-11	CS-27	Total/NA	Solid	Total BTEX	
890-9165-12	CS-28	Total/NA	Solid	Total BTEX	
890-9165-13	CS-29	Total/NA	Solid	Total BTEX	
890-9165-14	CS-30	Total/NA	Solid	Total BTEX	
890-9165-15	CS-31	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 125706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-1	CS-17	Total/NA	Solid	8015NM Prep	
890-9165-2	CS-18	Total/NA	Solid	8015NM Prep	
890-9165-3	CS-19	Total/NA	Solid	8015NM Prep	
890-9165-4	CS-20	Total/NA	Solid	8015NM Prep	
890-9165-5	CS-21	Total/NA	Solid	8015NM Prep	
890-9165-6	CS-22	Total/NA	Solid	8015NM Prep	
890-9165-7	CS-23	Total/NA	Solid	8015NM Prep	
890-9165-8	CS-24	Total/NA	Solid	8015NM Prep	
890-9165-9	CS-25	Total/NA	Solid	8015NM Prep	
890-9165-10	CS-26	Total/NA	Solid	8015NM Prep	
890-9165-11	CS-27	Total/NA	Solid	8015NM Prep	
890-9165-12	CS-28	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

## GC Semi VOA (Continued)

## Prep Batch: 125706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-13	CS-29	Total/NA	Solid	8015NM Prep	
890-9165-14	CS-30	Total/NA	Solid	8015NM Prep	
890-9165-15	CS-31	Total/NA	Solid	8015NM Prep	
MB 880-125706/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-125706/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-125706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 126037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-1	CS-17	Total/NA	Solid	8015B NM	125706
890-9165-2	CS-18	Total/NA	Solid	8015B NM	125706
890-9165-3	CS-19	Total/NA	Solid	8015B NM	125706
890-9165-4	CS-20	Total/NA	Solid	8015B NM	125706
890-9165-5	CS-21	Total/NA	Solid	8015B NM	125706
890-9165-6	CS-22	Total/NA	Solid	8015B NM	125706
890-9165-7	CS-23	Total/NA	Solid	8015B NM	125706
890-9165-8	CS-24	Total/NA	Solid	8015B NM	125706
890-9165-9	CS-25	Total/NA	Solid	8015B NM	125706
890-9165-10	CS-26	Total/NA	Solid	8015B NM	125706
890-9165-11	CS-27	Total/NA	Solid	8015B NM	125706
890-9165-12	CS-28	Total/NA	Solid	8015B NM	125706
890-9165-13	CS-29	Total/NA	Solid	8015B NM	125706
890-9165-14	CS-30	Total/NA	Solid	8015B NM	125706
890-9165-15	CS-31	Total/NA	Solid	8015B NM	125706
MB 880-125706/1-A	Method Blank	Total/NA	Solid	8015B NM	125706
LCS 880-125706/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	125706
LCSD 880-125706/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	125706

## Analysis Batch: 126228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-1	CS-17	Total/NA	Solid	8015 NM	
890-9165-2	CS-18	Total/NA	Solid	8015 NM	
890-9165-3	CS-19	Total/NA	Solid	8015 NM	
890-9165-4	CS-20	Total/NA	Solid	8015 NM	
890-9165-5	CS-21	Total/NA	Solid	8015 NM	
890-9165-6	CS-22	Total/NA	Solid	8015 NM	
890-9165-7	CS-23	Total/NA	Solid	8015 NM	
890-9165-8	CS-24	Total/NA	Solid	8015 NM	
890-9165-9	CS-25	Total/NA	Solid	8015 NM	
890-9165-10	CS-26	Total/NA	Solid	8015 NM	
890-9165-11	CS-27	Total/NA	Solid	8015 NM	
890-9165-12	CS-28	Total/NA	Solid	8015 NM	
890-9165-13	CS-29	Total/NA	Solid	8015 NM	
890-9165-14	CS-30	Total/NA	Solid	8015 NM	
890-9165-15	CS-31	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 125730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-10	CS-26	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

## HPLC/IC (Continued)

## Leach Batch: 125730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-11	CS-27	Soluble	Solid	DI Leach	
890-9165-12	CS-28	Soluble	Solid	DI Leach	
890-9165-13	CS-29	Soluble	Solid	DI Leach	
890-9165-14	CS-30	Soluble	Solid	DI Leach	
890-9165-15	CS-31	Soluble	Solid	DI Leach	
MB 880-125730/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125730/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125730/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Leach Batch: 125735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-1	CS-17	Soluble	Solid	DI Leach	
890-9165-2	CS-18	Soluble	Solid	DI Leach	
890-9165-3	CS-19	Soluble	Solid	DI Leach	
890-9165-4	CS-20	Soluble	Solid	DI Leach	
890-9165-5	CS-21	Soluble	Solid	DI Leach	
890-9165-6	CS-22	Soluble	Solid	DI Leach	
890-9165-7	CS-23	Soluble	Solid	DI Leach	
890-9165-8	CS-24	Soluble	Solid	DI Leach	
890-9165-9	CS-25	Soluble	Solid	DI Leach	
MB 880-125735/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125735/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125735/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 125745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-10	CS-26	Soluble	Solid	300.0	125730
890-9165-11	CS-27	Soluble	Solid	300.0	125730
890-9165-12	CS-28	Soluble	Solid	300.0	125730
890-9165-13	CS-29	Soluble	Solid	300.0	125730
890-9165-14	CS-30	Soluble	Solid	300.0	125730
890-9165-15	CS-31	Soluble	Solid	300.0	125730
MB 880-125730/1-A	Method Blank	Soluble	Solid	300.0	125730
LCS 880-125730/2-A	Lab Control Sample	Soluble	Solid	300.0	125730
LCSD 880-125730/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125730

## Analysis Batch: 125810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9165-1	CS-17	Soluble	Solid	300.0	125735
890-9165-2	CS-18	Soluble	Solid	300.0	125735
890-9165-3	CS-19	Soluble	Solid	300.0	125735
890-9165-4	CS-20	Soluble	Solid	300.0	125735
890-9165-5	CS-21	Soluble	Solid	300.0	125735
890-9165-6	CS-22	Soluble	Solid	300.0	125735
890-9165-7	CS-23	Soluble	Solid	300.0	125735
890-9165-8	CS-24	Soluble	Solid	300.0	125735
890-9165-9	CS-25	Soluble	Solid	300.0	125735
MB 880-125735/1-A	Method Blank	Soluble	Solid	300.0	125735
LCS 880-125735/2-A	Lab Control Sample	Soluble	Solid	300.0	125735
LCSD 880-125735/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125735

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-17**  
**Date Collected: 12/03/25 08:15**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-1**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 13:18	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 11:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 11:43	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 01:30	CS	EET MID

**Client Sample ID: CS-18**  
**Date Collected: 12/03/25 08:20**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-2**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 13:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 11:56	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 11:56	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 01:36	CS	EET MID

**Client Sample ID: CS-19**  
**Date Collected: 12/03/25 08:25**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-3**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 13:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 12:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 12:11	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 01:53	CS	EET MID

**Client Sample ID: CS-20**  
**Date Collected: 12/03/25 08:30**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-4**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 14:19	SA	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-20**

**Lab Sample ID: 890-9165-4**

Date Collected: 12/03/25 08:30

Matrix: Solid

Date Received: 12/04/25 14:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126228	12/09/25 12:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 12:25	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 01:58	CS	EET MID

**Client Sample ID: CS-21**

**Lab Sample ID: 890-9165-5**

Date Collected: 12/03/25 08:35

Matrix: Solid

Date Received: 12/04/25 14:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 14:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 12:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 12:39	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 02:04	CS	EET MID

**Client Sample ID: CS-22**

**Lab Sample ID: 890-9165-6**

Date Collected: 12/03/25 08:40

Matrix: Solid

Date Received: 12/04/25 14:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 15:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 12:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 12:53	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 02:10	CS	EET MID

**Client Sample ID: CS-23**

**Lab Sample ID: 890-9165-7**

Date Collected: 12/03/25 08:45

Matrix: Solid

Date Received: 12/04/25 14:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 15:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 15:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 13:22	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 13:22	FC	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-23**  
**Date Collected: 12/03/25 08:45**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-7**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 02:15	CS	EET MID

**Client Sample ID: CS-24**  
**Date Collected: 12/03/25 08:50**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-8**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 15:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 13:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 13:36	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 02:21	CS	EET MID

**Client Sample ID: CS-25**  
**Date Collected: 12/03/25 08:55**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-9**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 16:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 16:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 13:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 13:51	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125735	12/05/25 10:30	SA	EET MID
Soluble	Analysis	300.0		1			125810	12/06/25 02:27	CS	EET MID

**Client Sample ID: CS-26**  
**Date Collected: 12/03/25 09:00**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-10**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 16:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 14:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 14:05	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	125730	12/05/25 13:00	SA	EET MID
Soluble	Analysis	300.0		1			125745	12/06/25 02:12	CS	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-27**  
**Date Collected: 12/03/25 09:05**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-11**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 17:56	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 14:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 14:19	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	125730	12/05/25 13:00	SA	EET MID
Soluble	Analysis	300.0		1			125745	12/06/25 02:18	CS	EET MID

**Client Sample ID: CS-28**  
**Date Collected: 12/03/25 09:10**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-12**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 18:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 14:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 14:33	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	125730	12/05/25 13:00	SA	EET MID
Soluble	Analysis	300.0		1			125745	12/06/25 02:24	CS	EET MID

**Client Sample ID: CS-29**  
**Date Collected: 12/03/25 09:15**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-13**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	125868	12/08/25 08:55	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125855	12/08/25 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/08/25 14:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 14:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 14:48	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	125730	12/05/25 13:00	SA	EET MID
Soluble	Analysis	300.0		1			125745	12/06/25 02:30	CS	EET MID

**Client Sample ID: CS-30**  
**Date Collected: 12/03/25 09:20**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-14**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	125729	12/05/25 10:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125702	12/05/25 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/05/25 18:57	SA	EET MID

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-30**  
**Date Collected: 12/03/25 09:20**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-14**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126228	12/09/25 15:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 15:02	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	125730	12/05/25 13:00	SA	EET MID
Soluble	Analysis	300.0		1			125745	12/06/25 02:36	CS	EET MID

**Client Sample ID: CS-31**  
**Date Collected: 12/03/25 09:25**  
**Date Received: 12/04/25 14:54**

**Lab Sample ID: 890-9165-15**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	125646	12/05/25 10:47	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	125857	12/08/25 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126001	12/08/25 19:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			126228	12/09/25 15:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	125706	12/05/25 08:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126037	12/09/25 15:17	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	125730	12/05/25 13:00	SA	EET MID
Soluble	Analysis	300.0		1			125745	12/06/25 02:42	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
SDG: Eddy County, NM

#### Laboratory: Eurofins Midland

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

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Method Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
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



### Sample Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9165-1  
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9165-1	CS-17	Solid	12/03/25 08:15	12/04/25 14:54	2
890-9165-2	CS-18	Solid	12/03/25 08:20	12/04/25 14:54	2
890-9165-3	CS-19	Solid	12/03/25 08:25	12/04/25 14:54	2
890-9165-4	CS-20	Solid	12/03/25 08:30	12/04/25 14:54	2
890-9165-5	CS-21	Solid	12/03/25 08:35	12/04/25 14:54	2
890-9165-6	CS-22	Solid	12/03/25 08:40	12/04/25 14:54	2
890-9165-7	CS-23	Solid	12/03/25 08:45	12/04/25 14:54	2
890-9165-8	CS-24	Solid	12/03/25 08:50	12/04/25 14:54	2
890-9165-9	CS-25	Solid	12/03/25 08:55	12/04/25 14:54	2
890-9165-10	CS-26	Solid	12/03/25 09:00	12/04/25 14:54	2
890-9165-11	CS-27	Solid	12/03/25 09:05	12/04/25 14:54	2
890-9165-12	CS-28	Solid	12/03/25 09:10	12/04/25 14:54	2
890-9165-13	CS-29	Solid	12/03/25 09:15	12/04/25 14:54	2
890-9165-14	CS-30	Solid	12/03/25 09:20	12/04/25 14:54	2
890-9165-15	CS-31	Solid	12/03/25 09:25	12/04/25 14:54	2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# 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

Environment Testing  
 Xenco



W

890-9165 Chain of Custody

www.xenco.com Page 1 of 2

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

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRD <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level I <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Todd 36 State #715H	Turn Around	
Project Number:	575	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CCAWO #:			

ANALYSIS REQUEST		Preservative Codes	
None:	NO	DI Water:	H <sub>2</sub> O
Cool:	Cool	MeOH:	Me
HCL:	HC	HNO <sub>3</sub> :	HN
H <sub>2</sub> SO <sub>4</sub> :	H <sub>2</sub>	NaOH:	Na
H <sub>3</sub> PO <sub>4</sub> :	HP		
NaHSO <sub>4</sub> :	NABIS		
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> :	NaSO <sub>3</sub>		
Zn Acetate+NaOH:	Zn		
NaOH+Ascorbic Acid:	SAPC		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Parameters		TPH -NM	Chloride -NM	BTEX -NM	Hold	Sample Comments
					Grab/Comp	# of Cont					
CS-17	S	12.3.25	8:15	1	Grab	1	X	X	X		Incident Number
CS-18	S	12.3.25	8:20	1	Grab	1	X	X	X		nAPP2516155409
CS-19	S	12.3.25	8:25	1	Grab	1	X	X	X		
CS-20	S	12.3.25	8:30	1	Grab	1	X	X	X		
CS-21	S	12.3.25	8:35	1	Grab	1	X	X	X		
CS-22	S	12.3.25	8:40	1	Grab	1	X	X	X		
CS-23	S	12.3.25	8:45	1	Grab	1	X	X	X		
CS-24	S	12.3.25	8:50	1	Grab	1	X	X	X		
CS-25	S	12.3.25	8:55	1	Grab	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Tl Sn U V Zn  
 Hg: 1631 / 245.1 / 7470 / 7471

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Mickal Klein</i>	<i>Samy</i>	12-4-14 5:17			



# 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

Environment Testing  
 Xenco



Work Order No:

www.xenco.com Page 2 of 2

**Work Order Comments**

Program:  UST/PST  PRA  Brownfield  RRD  Superfund   
 State of Project: Reporting: Level II  Level III  PST/UST  TRRP  Level IV   
 Deliverables: EDD  ADAPT  Other:

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

Project Name: Todd 36 State #715H		Turn Around		Parameters		ANALYSIS REQUEST										Preservative Codes		
Project Number:	575	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code	Due Date:	Depth (feet)	Time Sampled	Date Sampled	Matrix	Sample Identification	Grab/Comp	TPH -NM	Chloride -NM	BTEX -NM	Hold	None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Eddy County, NM	Routine TAT			TAT starts the day received by the lab, if received by 4:30pm											Cool: Cool	MeOH: Me	
Sampler's Name:	Santiago Giron															HCL: HC	HNO <sub>3</sub> : HN	
CC/MO #		Temp. Blank:	Yes No	Wet Ice:	Yes No											H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
Samples Received Intact:	Yes No	Thermometer ID:														H <sub>3</sub> PO <sub>4</sub> : HP		
Cooler Custody Seals:	Yes No	Correction Factor:														NaHSO <sub>4</sub> : NABIS		
Sample Custody Seals:	Yes No	Temperature Reading:														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Total Containers:		Corrected Temperature:														Zn Acetate+NaOH: Zn		
																NaOH+Ascorbic Acid: SAPC		
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	TPH -NM	Chloride -NM	BTEX -NM	Hold									Sample Comments
CS-26	S	12.3.25	9:00	1	Grab 1	X	X	X										Incident Number
CS-27	S	12.3.25	9:05	1	Grab 1	X	X	X										nAPP2516155409
CS-28	S	12.3.25	9:10	1	Grab 1	X	X	X										
CS-29	S	12.3.25	9:15	1	Grab 1	X	X	X										
CS-30	S	12.3.25	9:20	1	Grab 1	X	X	X										
CS-31	S	12.3.25	9:25	1	Grab 1	X	X	X										

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Michelle Medina</i>	<i>Samuel</i>	12-4-14			





Environment Testing  
XENCO

### Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 565-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 986-3199

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 2

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

Program: UST/PST	<input type="checkbox"/>	PRF	<input type="checkbox"/>	Brownfield	<input type="checkbox"/>	RRD	<input type="checkbox"/>	Superfund	<input type="checkbox"/>
State of Project:									
Reporting: Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	PST/UST	<input type="checkbox"/>	TRRP	<input type="checkbox"/>	Level IV	<input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:					

Project Name: Todd 36 State #715H  
 Project Number: 575  
 Project Location: Eddy County, NM  
 Sampler's Name: Santiago Giron  
 EGWC #: \_\_\_\_\_

Turn Around:  Routine  Rush  
 Due Date: \_\_\_\_\_  
 TAT starts the day received by the lab, if received by 4:30pm

**SAMPLE RECEIPT**  
 Temp Blank:  Yes  No  
 Wet Ice:  Yes  No  
 Samples Received Intact:  Yes  No  
 Cooler Custody Seals:  Yes  No  
 Sample Custody Seals:  Yes  No  
 Total Containers: \_\_\_\_\_

Thermometer ID: \_\_\_\_\_  
 Correction Factor: \_\_\_\_\_  
 Temperature Reading: \_\_\_\_\_  
 Corrected Temperature: \_\_\_\_\_

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH - NM	Chloride - NM	BTEX - NM	Hold	Preservative Codes
CS-17	S	12.3.25	8:15	12.1	Grab	1	X	X	X		None: NO Cool: Cool HCL-HG H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub>
CS-18	S	12.3.25	8:20	1	Grab	1	X	X	X		DI Water: H <sub>2</sub> O MeOH: Me HNO <sub>3</sub> : HN NaOH: Na
CS-19	S	12.3.25	8:25	1	Grab	1	X	X	X		H <sub>2</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : MABIS
CS-20	S	12.3.25	8:30	1	Grab	1	X	X	X		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub> Zn Acetate+NaOH: Zn
CS-21	S	12.3.25	8:35	1	Grab	1	X	X	X		NaOH+Ascorbic Acid: SAPC
CS-22	S	12.3.25	8:40	1	Grab	1	X	X	X		
CS-23	S	12.3.25	8:45	1	Grab	1	X	X	X		
CS-24	S	12.3.25	8:50	1	Grab	1	X	X	X		
CS-25	S	12.3.25	8:55	1	Grab	1	X	X	X		

Total 200.7 / 6010 200.8 / 6020: \_\_\_\_\_  
 Circle Method(s) and Metal(s) to be analyzed: \_\_\_\_\_  
 RHCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	12.4.14.14	<i>[Signature]</i>	<i>[Signature]</i>	4
					6



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**Eurofins Carlsbad**

1089 N Canal St  
 Carlsbad, NM 88220  
 Phone: 575-988-3199 Fax: 575-988-3199

**Chain of Custody Record**



Environment Testing

<b>Client Information (Sub Contract Lab)</b>		Client Contact: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-6206-1
Shipping/Receiving: N/A		Phone: N/A	E-Mail: Brianna.Teel@eurofins.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Center		Accelerations Required (See note): NELAP - Texas		Job #: 890-9165-1	
Address: 1211 W. Florida Ave.		Date Requested: 12/10/2025	<b>Analysis Requested</b>		
City: Midland		TAT Requested (days): N/A			
State, Zip: TX, 79701		PO #: N/A			
Phone: 432-704-5440(Tel)		WO #: N/A			
Email: N/A		Project #: 88001228			
Project Name: Todd 36 State #715H		Site: SSSOW#			
Site: N/A		Matrix (A=water, S=solid, O=ore, B=brine, M=sludge)			
		Field Filtered Sample (Yes or No)			
		Perform MS/MSD (Yes or No)			
		Total_BTEX_GCV			
		8021B/5035FP_CalcBTEX			
		300_ORGFM_28D/DI_LEACHChloride			
		8015MOD_Calc			
		8015MOD_NM/8015NM_S_Prep8015 NM			
		Total Number of containers			
		Special Instructions/Note:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (A=water, S=solid, O=ore, B=brine, M=sludge)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total_BTEX_GCV	8021B/5035FP_CalcBTEX	300_ORGFM_28D/DI_LEACHChloride	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep8015 NM	Total Number of containers	Special Instructions/Note:
CS-17 (890-9165-1)	12/3/25	08:15	G	Solid		X	X	X	X	X	X	X	1	
CS-18 (890-9165-2)	12/3/25	08:20	G	Solid		X	X	X	X	X	X	X	1	
CS-19 (890-9165-3)	12/3/25	08:25	G	Solid		X	X	X	X	X	X	X	1	
CS-20 (890-9165-4)	12/3/25	08:30	G	Solid		X	X	X	X	X	X	X	1	
CS-21 (890-9165-5)	12/3/25	08:35	G	Solid		X	X	X	X	X	X	X	1	
CS-22 (890-9165-6)	12/3/25	08:40	G	Solid		X	X	X	X	X	X	X	1	
CS-23 (890-9165-7)	12/3/25	08:45	G	Solid		X	X	X	X	X	X	X	1	
CS-24 (890-9165-8)	12/3/25	08:50	G	Solid		X	X	X	X	X	X	X	1	
CS-25 (890-9165-9)	12/3/25	08:55	G	Solid		X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Center, 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/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Center, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Center, 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 Center, LLC.

**Possible Hazard Identification**

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (Specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Special Instructions/QC Requirements: \_\_\_\_\_

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: *BSAUN* Date/Time: 12-21-16 3c Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seal Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_

Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_

### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9165-1  
SDG Number: Eddy County, NM

**Login Number: 9165**  
**List Number: 1**  
**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

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

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### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9165-1  
SDG Number: Eddy County, NM

**Login Number: 9165**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 12/05/25 08:21 AM**

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

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 12/22/2025 3:18:30 PM

## JOB DESCRIPTION

Todd 36 State #715H  
 Eddy County, NM

## JOB NUMBER

890-9236-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220



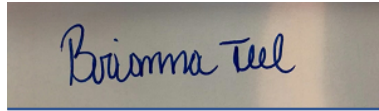
# Eurofins Carlsbad

## 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



Generated  
12/22/2025 3:18:30 PM

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

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Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Laboratory Job ID: 890-9236-1  
SDG: Eddy County, NM

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## Definitions/Glossary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
SDG: Eddy County, NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

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

## Glossary

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

# Case Narrative

Client: Earth Systems Response and Restoration  
Project: Todd 36 State #715H

Job ID: 890-9236-1

**Job ID: 890-9236-1**

**Eurofins Carlsbad**

## Job Narrative 890-9236-1

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

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

### Receipt

The samples were received on 12/15/2025 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-15 (890-9236-1) and CS-18 (890-9236-2).

### GC VOA

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

### Diesel Range Organics

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

### HPLC/IC

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

Eurofins Carlsbad



### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-15**

**Lab Sample ID: 890-9236-1**

Date Collected: 12/15/25 09:00

Matrix: Solid

Date Received: 12/15/25 12:50

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/17/25 10:08	12/19/25 19:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/17/25 10:08	12/19/25 19:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/17/25 10:08	12/19/25 19:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/17/25 10:08	12/19/25 19:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/17/25 10:08	12/19/25 19:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/17/25 10:08	12/19/25 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/17/25 10:08	12/19/25 19:16	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/17/25 10:08	12/19/25 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/19/25 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/21/25 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/25 11:06	12/21/25 23:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/25 11:06	12/21/25 23:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/25 11:06	12/21/25 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	12/16/25 11:06	12/21/25 23:11	1
o-Terphenyl	100		70 - 130	12/16/25 11:06	12/21/25 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		10.1		mg/Kg			12/17/25 19:44	1

**Client Sample ID: CS-18**

**Lab Sample ID: 890-9236-2**

Date Collected: 12/15/25 09:10

Matrix: Solid

Date Received: 12/15/25 12:50

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/17/25 10:08	12/19/25 19:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/17/25 10:08	12/19/25 19:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/17/25 10:08	12/19/25 19:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/17/25 10:08	12/19/25 19:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/17/25 10:08	12/19/25 19:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/17/25 10:08	12/19/25 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/17/25 10:08	12/19/25 19:37	1

Eurofins Carlsbad

### Client Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-18**

**Lab Sample ID: 890-9236-2**

Date Collected: 12/15/25 09:10

Matrix: Solid

Date Received: 12/15/25 12:50

Sample Depth: 3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	12/17/25 10:08	12/19/25 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/19/25 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/21/25 23:25	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	<50.1	U	50.1		mg/Kg		12/16/25 11:06	12/21/25 23:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/16/25 11:06	12/21/25 23:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/16/25 11:06	12/21/25 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	12/16/25 11:06	12/21/25 23:25	1
o-Terphenyl	94		70 - 130	12/16/25 11:06	12/21/25 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		9.90		mg/Kg			12/17/25 19:50	1

### Surrogate Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
 SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9236-1	CS-15	101	93
890-9236-2	CS-18	103	105
LCS 880-126953/1-A	Lab Control Sample	103	105
LCSD 880-126953/2-A	Lab Control Sample Dup	100	107
MB 880-126953/5-A	Method Blank	115	94

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-9236-1	CS-15	96	100
890-9236-2	CS-18	91	94
LCS 880-126833/2-A	Lab Control Sample	102	98
LCSD 880-126833/3-A	Lab Control Sample Dup	113	109
MB 880-126833/1-A	Method Blank	96	96

**Surrogate Legend**  
 1CO = 1-Chlorooctane  
 OTPH = o-Terphenyl

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-126953/5-A  
 Matrix: Solid  
 Analysis Batch: 127209

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 126953

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/17/25 10:08	12/19/25 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/17/25 10:08	12/19/25 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/17/25 10:08	12/19/25 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/17/25 10:08	12/19/25 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/17/25 10:08	12/19/25 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/17/25 10:08	12/19/25 11:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/17/25 10:08	12/19/25 11:33	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/17/25 10:08	12/19/25 11:33	1

Lab Sample ID: LCS 880-126953/1-A  
 Matrix: Solid  
 Analysis Batch: 127209

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 126953

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1092		mg/Kg		109	70 - 130
Toluene	0.100	0.09675		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1088		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2090		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1025		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-126953/2-A  
 Matrix: Solid  
 Analysis Batch: 127209

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 126953

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1116		mg/Kg		112	70 - 130	2	35
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	4	35
Ethylbenzene	0.100	0.1055		mg/Kg		105	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2053		mg/Kg		103	70 - 130	2	35
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-126833/1-A  
 Matrix: Solid  
 Analysis Batch: 127358

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 126833

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/25 11:06	12/21/25 15:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/25 11:06	12/21/25 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/25 11:06	12/21/25 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130			12/16/25 11:06	12/21/25 15:18	1	
o-Terphenyl	96		70 - 130			12/16/25 11:06	12/21/25 15:18	1	

Lab Sample ID: LCS 880-126833/2-A  
 Matrix: Solid  
 Analysis Batch: 127358

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 126833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1010		mg/Kg		101	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	102		70 - 130				
o-Terphenyl	98		70 - 130				

Lab Sample ID: LCSD 880-126833/3-A  
 Matrix: Solid  
 Analysis Batch: 127358

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 126833

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	824.5		mg/Kg		82	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	864.6		mg/Kg		86	70 - 130	16	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	109		70 - 130						

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

Lab Sample ID: MB 880-126898/1-A  
 Matrix: Solid  
 Analysis Batch: 126961

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			12/17/25 17:28	1

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### QC Sample Results

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
 SDG: Eddy County, NM

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

Lab Sample ID: LCS 880-126898/2-A  
 Matrix: Solid  
 Analysis Batch: 126961

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.2		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-126898/3-A  
 Matrix: Solid  
 Analysis Batch: 126961

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	239.0		mg/Kg		96	90 - 110	2	20

## QC Association Summary

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
 SDG: Eddy County, NM

## GC VOA

## Prep Batch: 126953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9236-1	CS-15	Total/NA	Solid	5035	
890-9236-2	CS-18	Total/NA	Solid	5035	
MB 880-126953/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126953/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126953/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 127209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9236-1	CS-15	Total/NA	Solid	8021B	126953
890-9236-2	CS-18	Total/NA	Solid	8021B	126953
MB 880-126953/5-A	Method Blank	Total/NA	Solid	8021B	126953
LCS 880-126953/1-A	Lab Control Sample	Total/NA	Solid	8021B	126953
LCSD 880-126953/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126953

## Analysis Batch: 127527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9236-1	CS-15	Total/NA	Solid	Total BTEX	
890-9236-2	CS-18	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 126833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9236-1	CS-15	Total/NA	Solid	8015NM Prep	
890-9236-2	CS-18	Total/NA	Solid	8015NM Prep	
MB 880-126833/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126833/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126833/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 127358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9236-1	CS-15	Total/NA	Solid	8015B NM	126833
890-9236-2	CS-18	Total/NA	Solid	8015B NM	126833
MB 880-126833/1-A	Method Blank	Total/NA	Solid	8015B NM	126833
LCS 880-126833/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126833
LCSD 880-126833/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126833

## Analysis Batch: 127468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9236-1	CS-15	Total/NA	Solid	8015 NM	
890-9236-2	CS-18	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 126898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9236-1	CS-15	Soluble	Solid	DI Leach	
890-9236-2	CS-18	Soluble	Solid	DI Leach	
MB 880-126898/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126898/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126898/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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### QC Association Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
SDG: Eddy County, NM

#### HPLC/IC

#### Analysis Batch: 126961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9236-1	CS-15	Soluble	Solid	300.0	126898
890-9236-2	CS-18	Soluble	Solid	300.0	126898
MB 880-126898/1-A	Method Blank	Soluble	Solid	300.0	126898
LCS 880-126898/2-A	Lab Control Sample	Soluble	Solid	300.0	126898
LCSD 880-126898/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126898

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### Lab Chronicle

Client: Earth Systems Response and Restoration  
 Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-15**

**Lab Sample ID: 890-9236-1**

Date Collected: 12/15/25 09:00

Matrix: Solid

Date Received: 12/15/25 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	126953	12/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127209	12/19/25 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127527	12/19/25 19:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			127468	12/21/25 23:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	126833	12/16/25 11:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127358	12/21/25 23:11	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	126898	12/16/25 16:39	SI	EET MID
Soluble	Analysis	300.0		1			126961	12/17/25 19:44	CS	EET MID

**Client Sample ID: CS-18**

**Lab Sample ID: 890-9236-2**

Date Collected: 12/15/25 09:10

Matrix: Solid

Date Received: 12/15/25 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	126953	12/17/25 10:08	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	127209	12/19/25 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			127527	12/19/25 19:37	SA	EET MID
Total/NA	Analysis	8015 NM		1			127468	12/21/25 23:25	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126833	12/16/25 11:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	127358	12/21/25 23:25	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	126898	12/16/25 16:39	SI	EET MID
Soluble	Analysis	300.0		1			126961	12/17/25 19:50	CS	EET MID

**Laboratory References:**

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

### Accreditation/Certification Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
SDG: Eddy County, NM

#### Laboratory: Eurofins Midland

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

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

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

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

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### Method Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
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



### Sample Summary

Client: Earth Systems Response and Restoration  
Project/Site: Todd 36 State #715H

Job ID: 890-9236-1  
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9236-1	CS-15	Solid	12/15/25 09:00	12/15/25 12:50	3
890-9236-2	CS-18	Solid	12/15/25 09:10	12/15/25 12:50	3

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### Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9236-1  
SDG Number: Eddy County, NM

**Login Number: 9236**

**List Number: 1**

**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
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.	N/A	
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: 890-9236-1  
SDG Number: Eddy County, NM

**Login Number: 9236**  
**List Number: 2**  
**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 12/16/25 03:15 PM**

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

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 546264

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546264
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2516155409
Incident Name	NAPP2516155409 TODD 36 STATE #715H @ 30-015-45940
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-45940] TODD 36 STATE #715H

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	TODD 36 STATE #715H
Date Release Discovered	06/10/2025
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Producing Well   Crude Oil   Released: 2 BBL   Recovered: 2 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Producing Well   Produced Water   Released: 6 BBL   Recovered: 3 BBL   Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Stuffing box failure allowed fluids to impact pad surface around wellhead.

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QUESTIONS, Page 2

Action 546264

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546264
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/26/2026
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QUESTIONS, Page 3

Action 546264

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546264
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (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 ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	5230
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1700
GRO+DRO (EPA SW-846 Method 8015M)	1700
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	11/24/2025
On what date will (or did) the final sampling or liner inspection occur	12/15/2025
On what date will (or was) the remediation complete(d)	01/07/2026
What is the estimated surface area (in square feet) that will be reclaimed	6200
What is the estimated volume (in cubic yards) that will be reclaimed	736
What is the estimated surface area (in square feet) that will be remediated	6200
What is the estimated volume (in cubic yards) that will be remediated	736

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 546264

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546264
	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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/26/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 546264

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546264
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 546264

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546264
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>533923</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>12/15/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>2</b>
What was the sampling surface area in square feet	<b>400</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	6200
What was the total volume (cubic yards) remediated	736
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	6200
What was the total volume (in cubic yards) reclaimed	736
Summarize any additional remediation activities not included by answers (above)	The Site was remediated according to Reclamation Standard 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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 01/26/2026
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Action 546264

**QUESTIONS (continued)**

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**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 546264

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 546264
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
nvez	None	3/23/2026