



November 3, 2025

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

RE: **Flagler 8 Federal #012H - Closure Request Report**
Incident Number: nAPP2512561686
GPS: 32.139413°, -103.591769°
Lea County, New Mexico
ESRR Project Number: VP-372

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 crude oil and produced water at the Flagler 8 Federal #012H (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 O, Section 08, Township 25 South, Range 33 East, in Lea County, New Mexico (32.1383485°, -103.5912743°) 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 May 4, 2025, pinhole leak developed on a shallow flow line, causing the release of approximately 14 barrels (bbl) of produced water and 1 bbl of crude oil onto a recently reclaimed Devon operated well pad. ESRR conducted initial site assessment activities and mapped the observed release footprint on May 6, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). Devon gave notice to the New Mexico Oil Conservation Division (NMOCD) on May 5, 2025, by Notification of Release (NOR) and was subsequently assigned Incident Number nAPP2512561686. A Corrective Action Form C-141 (Form C-141) was submitted on May 8, 2025. Upon review, ESRR determined that the coordinates to the AOC should be updated to (32.139413°, -103.591769°).

On August 2, 2025, Devon requested an extension of the August 4, 2025 deadline, to allow additional time to complete remediation activities and for ESRR to complete this CRR. Devon was granted a 90-day extension by the NMOCD for November 3, 2025.

Site Characterization

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

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

Flagler 8 Federal #012H - Closure Request Report
 Incident Number: nAPP2512561686
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- 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 1 and 5 miles of any wetland;
- Greater than 5 miles of any subsurface mine;
- Greater than 5 miles of any unstable area (i.e. Critical, High, or Medium karst potential); and
- Greater than 5 miles of a 100-year floodplain.

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

Based on the results from the desktop review, the following Closure Criteria was applied:

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

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

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

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

Delineation Activities

On May 9, 2025, ESRR conducted delineation activities to assess the presence or absence of soil impacts associated with the AOC. Fourteen delineation boreholes (HA-1 through HA-14) 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 two soil samples were 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 is attached.

Laboratory analytical results for delineation soil samples (HA-5 and HA-7 through HA-14) within and surrounding the AOC were compliant with Site Closure Criteria and/or the reclamation standard defining the horizontal periphery of the AOC.

Laboratory analytical results for delineation soil samples collected within the AOC (HA-1 through HA-4 and HA-6) indicated TPH-GRO+TPH-DRO+TPH-ORO/TPH and/or Chloride and/or Total BTEX were above the Site Closure Criteria and/or the reclamation standard. Elevated TPH-GRO+TPH-DRO+TPH-ORO/TPH is characterized by concentrations ranging from 147 to 27,100 mg/kg, specifically for TPH-DRO and/or TPH-GRO. Elevated Chloride is characterized by concentrations ranging from 1,400 to 6,770 mg/kg. Elevated Total BTEX is characterized by concentrations ranging from 94.9 to 106 mg/kg. Laboratory analytical results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.

Flagler 8 Federal #012H - Closure Request Report
Incident Number: nAPP2512561686
GPS: 32.139413°, -103.591769°



Remediation Activities

During August of 2025, Devon oversaw initial excavation activities of identified soil impacts performed by a third-party contractor 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 4-feet bgs.

Following the removal of soil, ESRR collected 5-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-33) and sidewalls (SW-1 through SW-6). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon resealable plastic bag. The confirmation soil samples were handled, transported, and analyzed as previously described.

Laboratory analytical results for confirmation soil samples (CS-26, CS-27, and CS-32) indicated that TPH-GRO+TPH-DRO+TPH-ORO/TPH concentrations were above the applicable Site Closure Criteria and/or the reclamation standard. Elevated TPH-GRO+TPH-DRO+TPH-ORO/TPH is characterized by concentrations ranging from 1,040 to 1,390 mg/kg, specifically for TPH-DRO and/or TPH-GRO at a depth of 4-feet bgs.

Additional excavation in the proximity to confirmation soil samples (CS-26, CS-27, and CS-32) were vertically advanced to a depth of 5-feet bgs. Following the removal of soil, ESRR collected, handled, transported, and analyzed the final 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 analytical results are summarized in **Table 1**, included in the attachments. The locations of all final confirmation soil samples are shown in **Figure 3**.

Approximately 1,200 cubic yards (CY) of impacted soil were removed from the Site and transported to the Northern Delaware Basin Landfill near Jal, 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. 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 nAPP2512561686.

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

Flagler 8 Federal #012H - Closure Request Report
Incident Number: nAPP2512561686
GPS: 32.139413°, -103.591769°



Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

A handwritten signature in black ink, appearing to read "Gilbert Moreno".

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

A handwritten signature in black ink, appearing to read "Kris Williams".

Kris Williams, CHMM, REM
Principal

cc: Jim Raley, Devon Energy
Bureau of Land Management

Attachments:

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

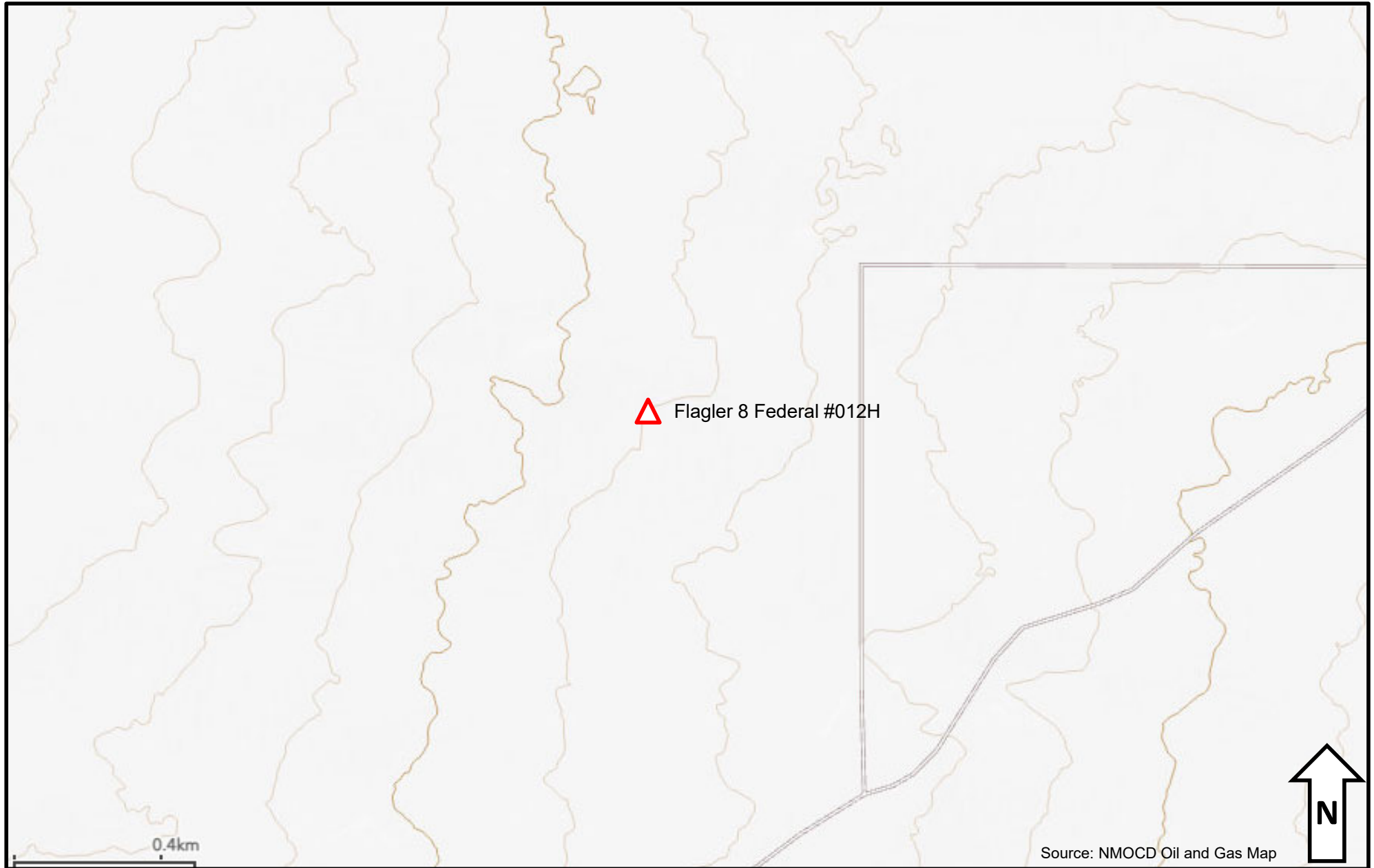
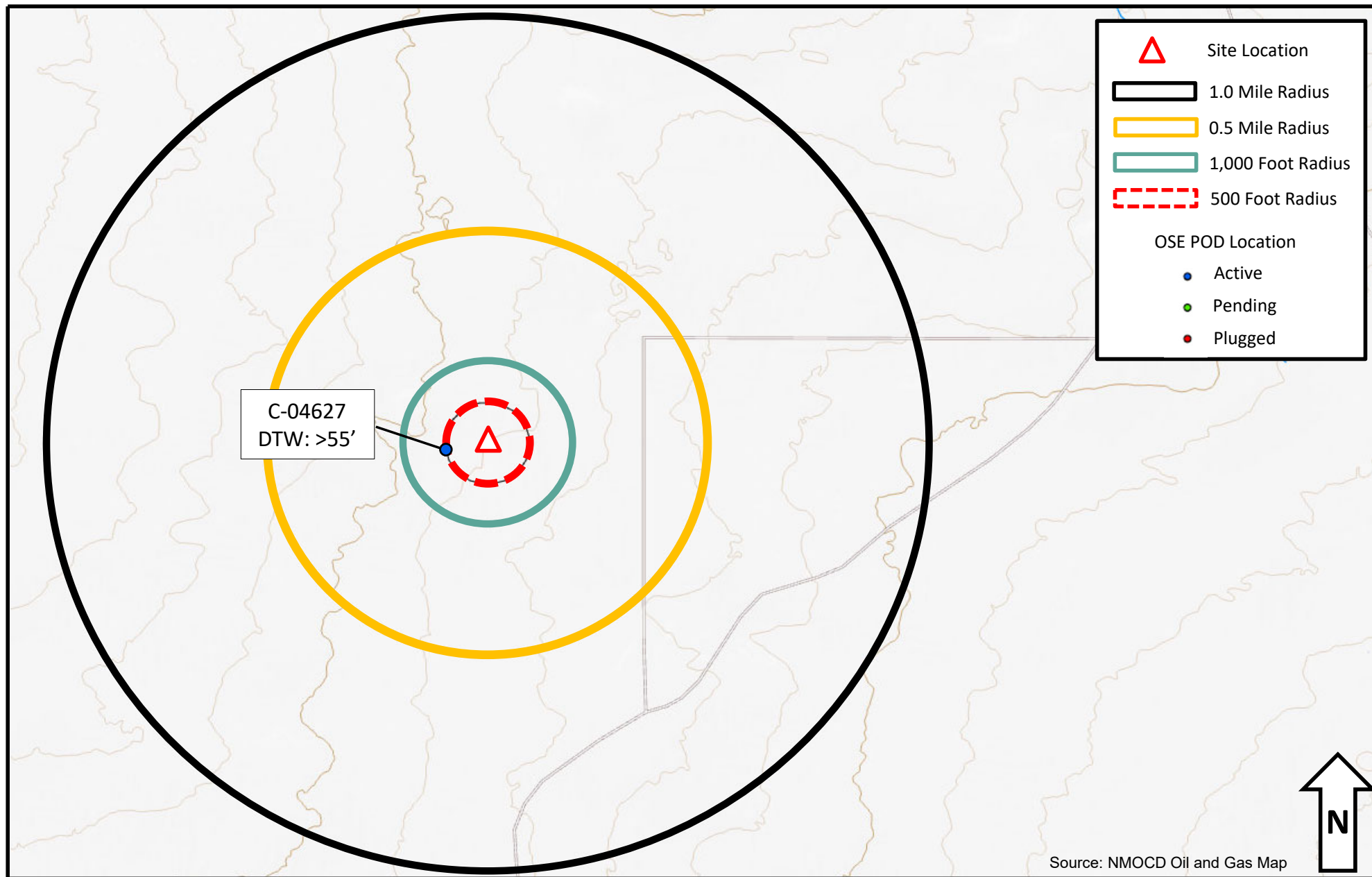


Figure 1 – Site Map

Devon Energy Permian – Flagler 8 Federal #012H
GPS: 32.139413°, -103.591769°
Lea County, New Mexico

**Figure 1A – Ground Water**

Devon Energy Permian – Flagler 8 Federal #012H
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Lea County, New Mexico

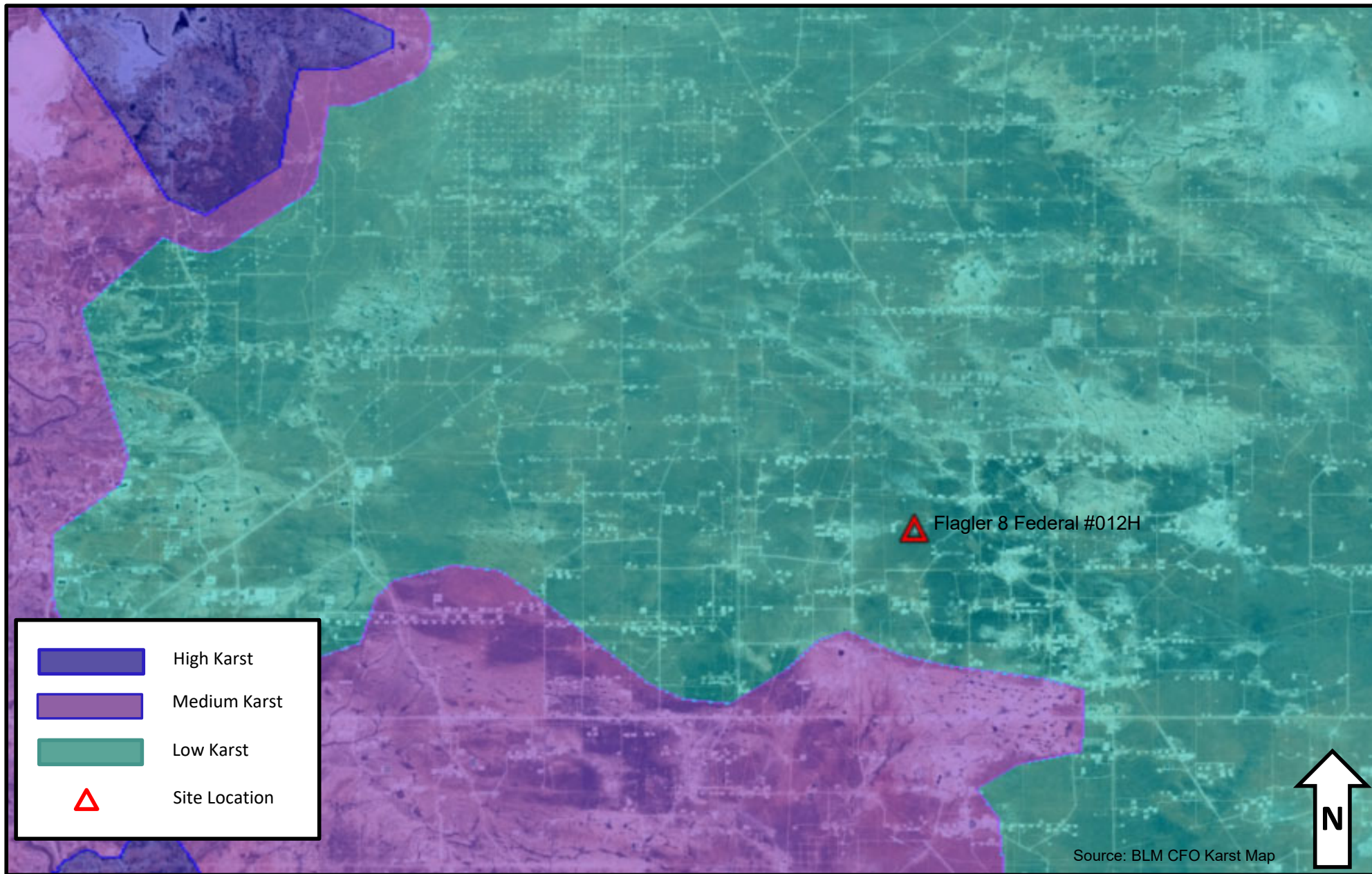


Figure 1B – Karst Potential

Devon Energy Permian – Flagler 8 Federal #012H
GPS: 32.139413°, -103.591769°
Lea County, New Mexico

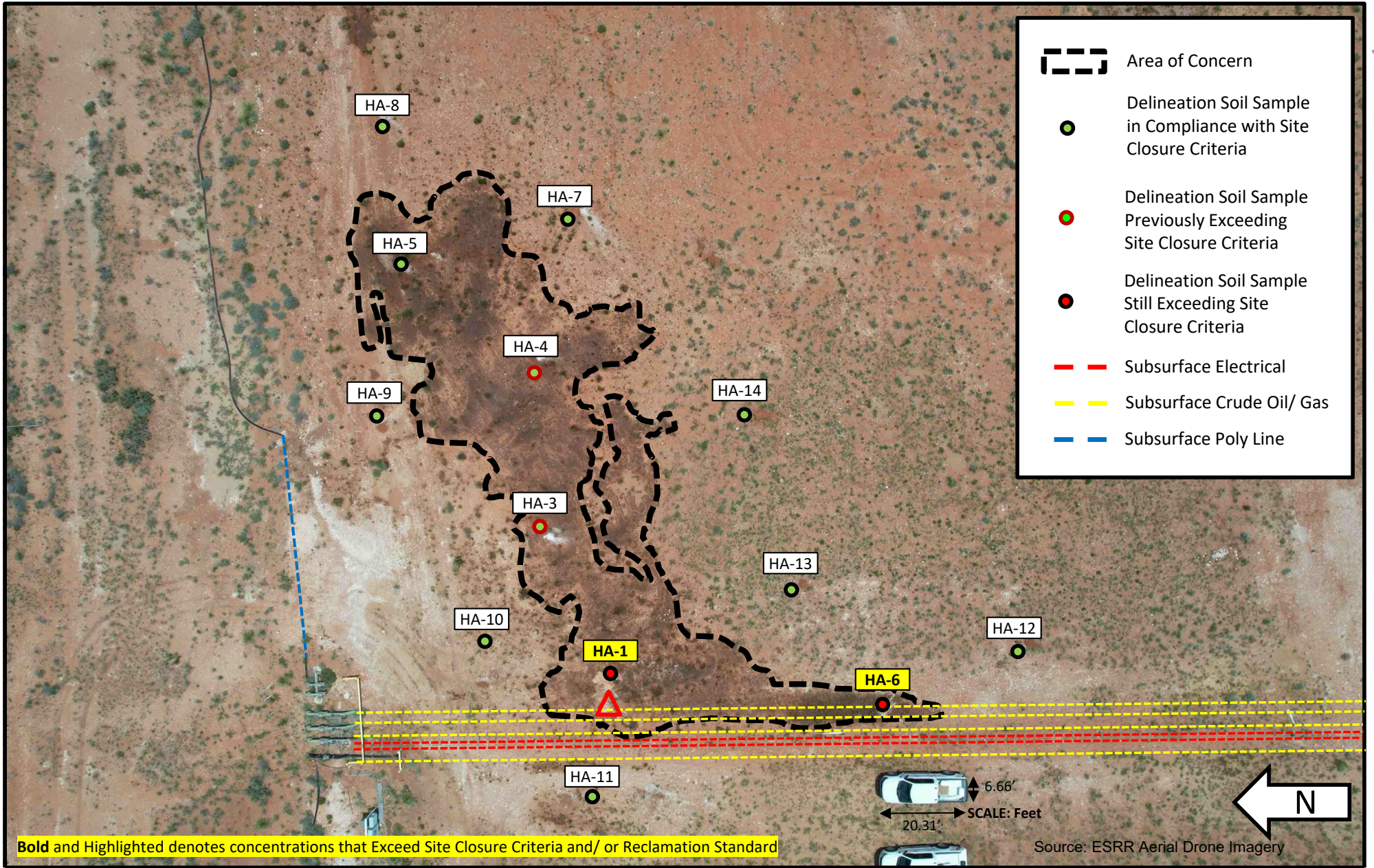


Figure 2 – Delineation Soil Sample Locations

Devon Energy Permian – Flagler 8 Federal #012H
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Lea County, New Mexico

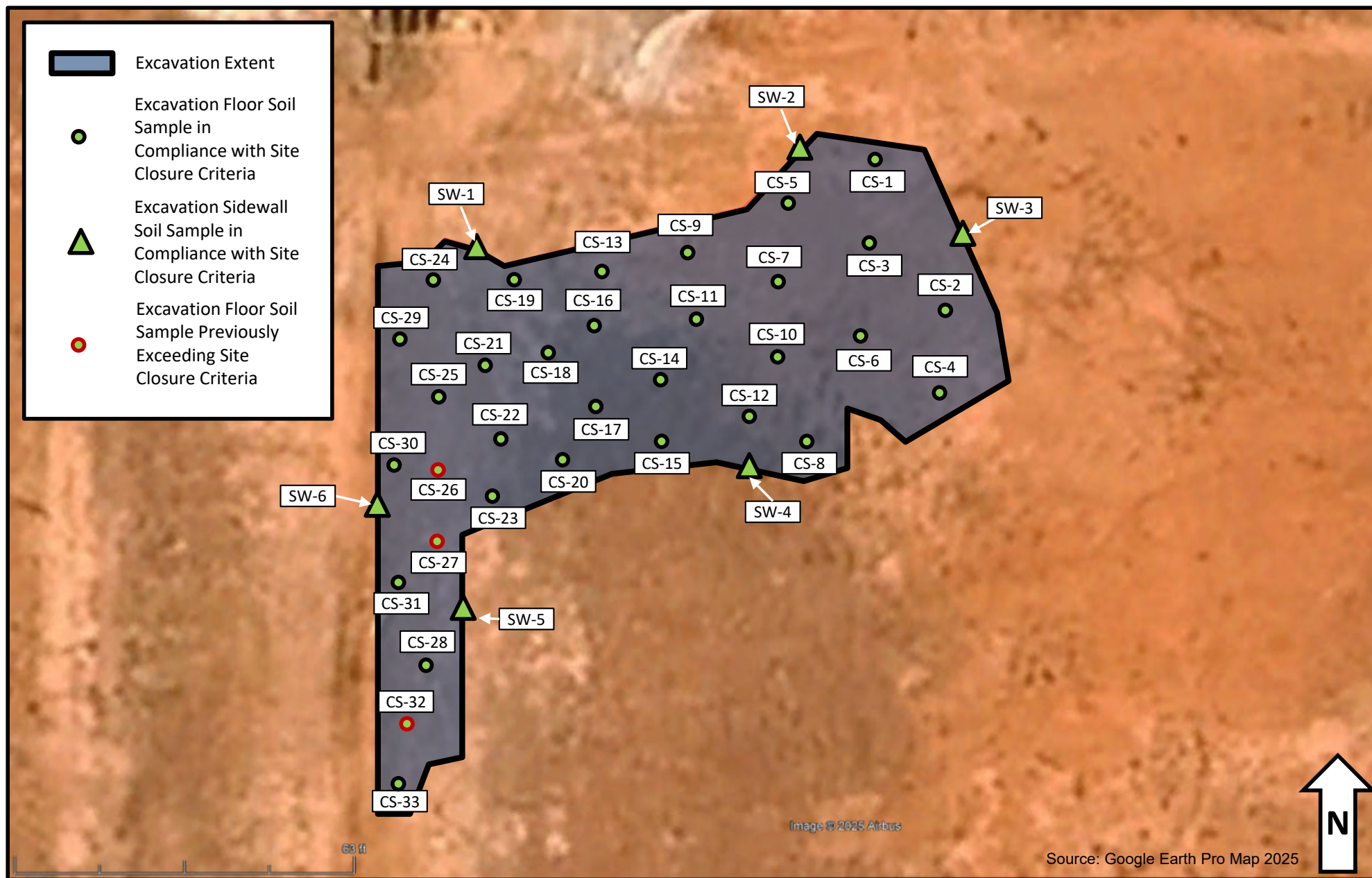


Figure 3 – Excavation Soil Sample Locations

Devon Energy Permian – Flagler 8 Federal #012H
GPS: 32.139413°, -103.591769°
Lea County, New Mexico



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4627			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 8	SECONDS 20.92	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	35	36.25	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SE Sec.8 T25S R33S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/7/2022		DRILLING ENDED 6/7/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 6/13/2022	
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 55		±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. <u>C-4627-POD 1</u>	POD NO. <u>1</u>	TRN NO. <u>726174</u>
LOCATION <u>25.33.08.334</u>		WELL TAG ID NO. <u> </u>

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	7	7	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red	Y ✓ N	
	7	24	17	Caliche, with Fine-grained sand, 7.5 YR 7/4, Pink	Y ✓ N	
	24	55	31	Caliche, with Fine-grained sand, well consolidated, 7.5 YR 7/4, Pink	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 26 Flagler 8 Fed 20 QSE DTI JUN 16 2022 PM3:10	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt		

6. SIGNATURE	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE
	 Jackie D. Atkins 6/16/2022	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	C-4627-POD 1	POD NO.	1
LOCATION		TRN NO.	726174
25 33.08.334		WELL TAG ID NO	—
		PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726174
File Nbr: C 04627
Well File Nbr: C 04627 POD1

Jun. 18, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/18/2022, stating that it had been completed on 06/07/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

June 8, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4627 Pod1 at Flagler 8 Fed 20

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4627 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton

Enclosures: as noted above

OSE DII JUN 16 2022 PM3:10

Flagler 8 Federal #012H - Closure Request Report
Incident Number: nAPP2512561686
GPS: 32.139413°, -103.591769°



Date & Time: Mon, May 05, 2025 at 10:54:01 MDT
Position: +032.139435° / -103.591812° (±11.6ft)
Altitude: 3423ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 107° S73E 1902mils True (±12°)
Elevation Angle: -24.1°
Horizon Angle: +00.8°
Zoom: 0.5X
flagler 8



PHOTO 1: Southeastern view during initial site assessment by ESRR, 5/5/2025

Date & Time: Mon, May 05, 2025 at 11:22:00 MDT
Position: +032.139445° / -103.591333° (±8.2ft)
Altitude: 3442ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 307° N53W 5458mils True (±12°)
Elevation Angle: -12.6°
Horizon Angle: +00.6°
Zoom: 0.5X
flagler



PHOTO 2: Northwestern view during initial site assessment by ESRR, 5/5/2025

Flagler 8 Federal #012H - Closure Request Report
Incident Number: nAPP2512561686
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PHOTO 3: Southeastern view of delineation borehole during delineation sampling by ESRR. 5/9/2025



PHOTO 4: Southeastern view of delineation borehole during delineation sampling by ESRR. 5/9/2025

Flagler 8 Federal #012H - Closure Request Report
Incident Number: nAPP2512561686
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PHOTO 5: Southwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025



PHOTO 6: Southwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025

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PHOTO 7: Southwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025



PHOTO 8: Southwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025

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PHOTO 9: Southwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025

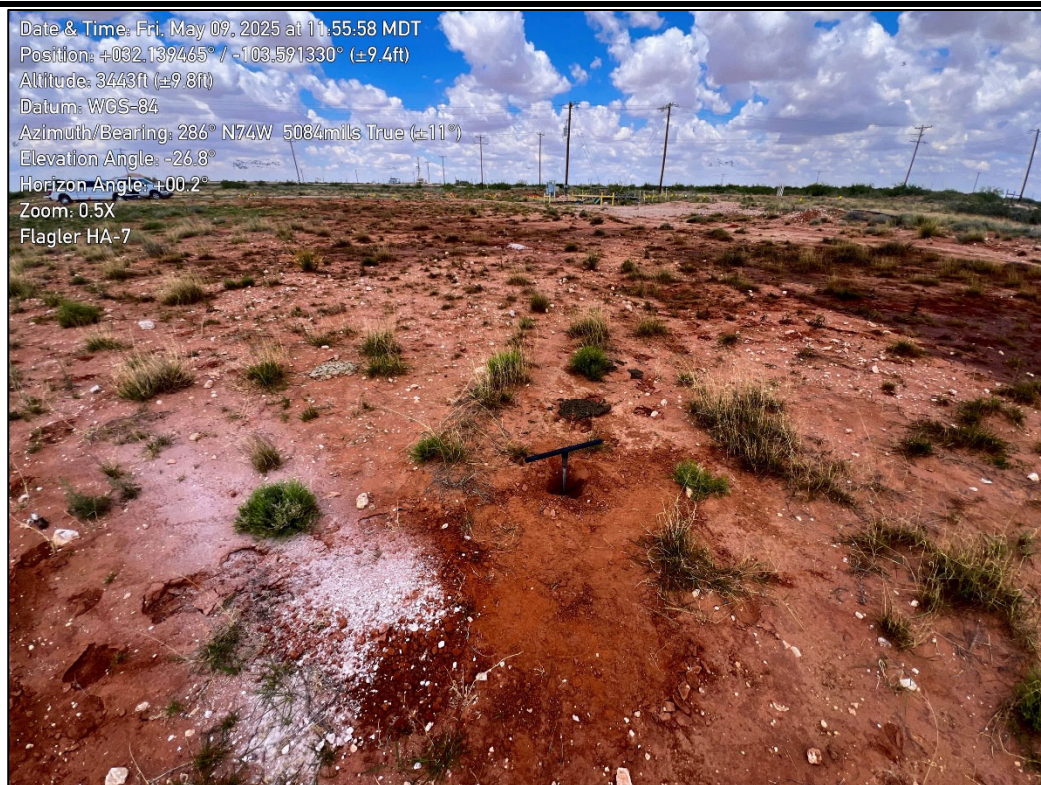


PHOTO 10: Northwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025

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PHOTO 11: Northwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025



PHOTO 12: Northwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025

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PHOTO 13: Northwestern view of delineation borehole during delineation sampling by ESRR. 5/9/2025



PHOTO 14: Northeastern view of delineation borehole during delineation sampling by ESRR. 5/9/2025

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PHOTO 15: Northeastern view of delineation borehole during delineation sampling by ESRR. 5/9/2025

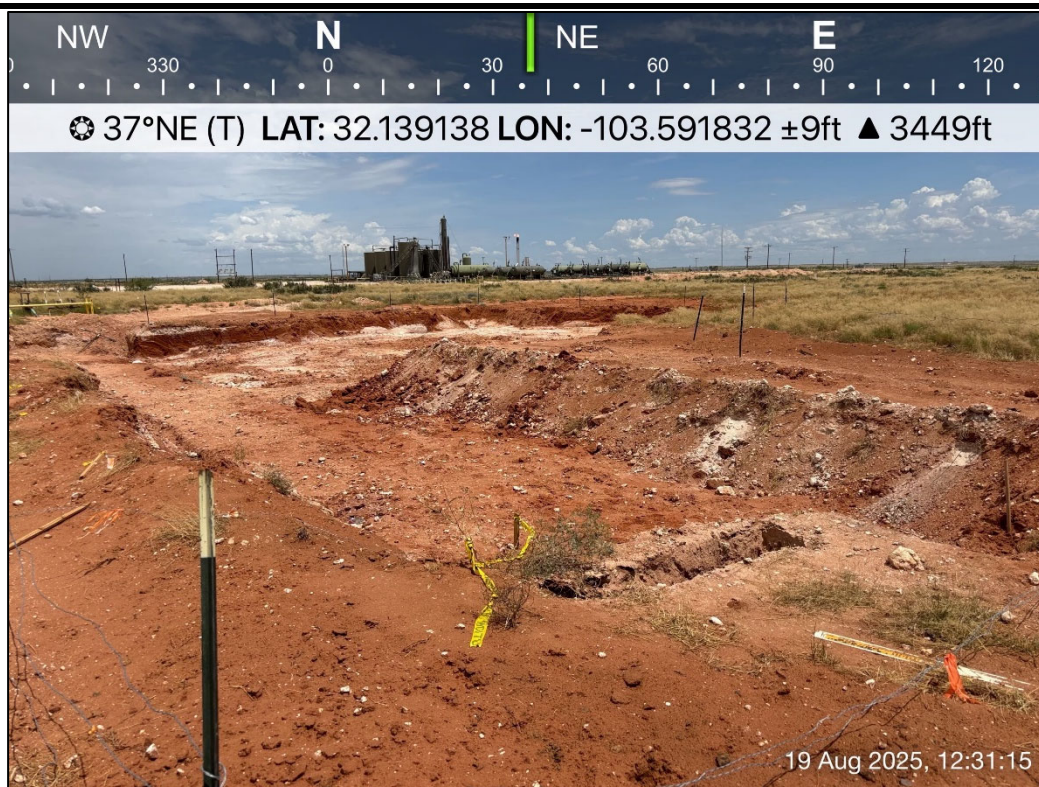


PHOTO 16: Northeastern view of excavation extent. 8/19/2025

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PHOTO 17: Northwestern view of excavation extent. 8/19/2025



PHOTO 18: Southwestern view of excavation extent. 8/19/2025

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PHOTO 19: Southeastern view of excavation extent. 8/19/2025



PHOTO 20: Southeastern view of excavation extent. 9/2/2025

Flagler 8 Federal #012H - Closure Request Report
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PHOTO 21: Northeastern view of excavation extent. 9/2/2025



PHOTO 22: Northwestern view of excavation extent. 9/2/2025

Flagler 8 Federal #012H - Closure Request Report
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PHOTO 23: Southeastern view following restoration activities. 10/28/2025



PHOTO 24: Southwestern view following restoration activities. 10/28/2025

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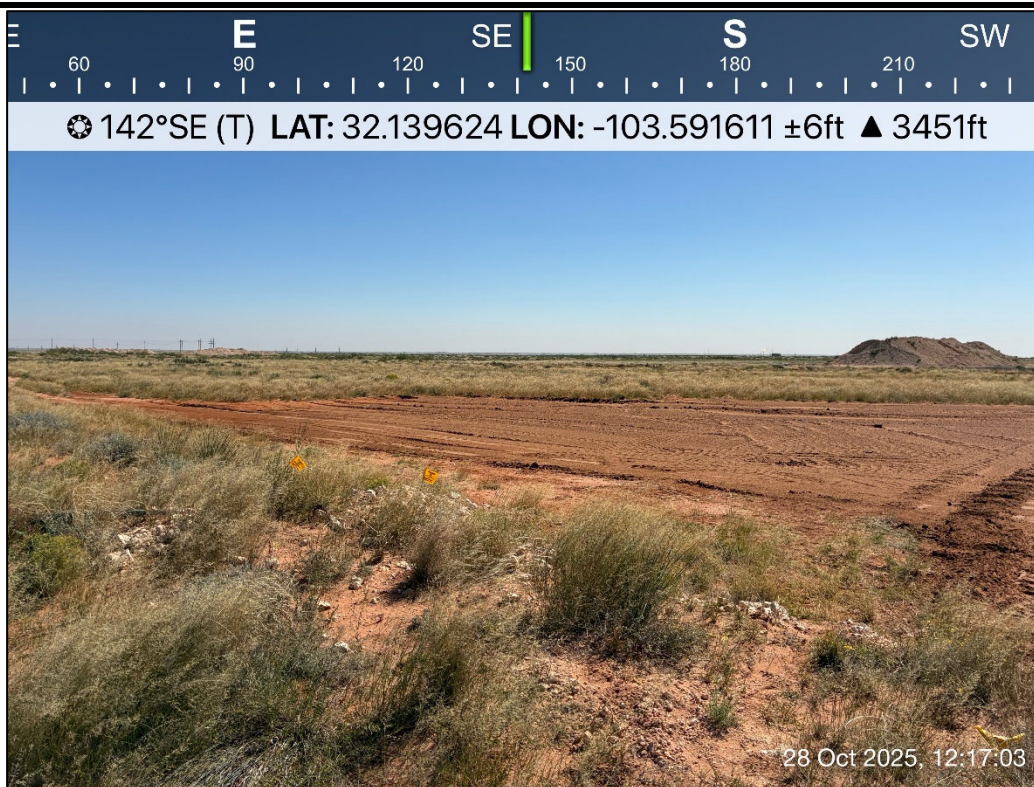


PHOTO 25: Southeastern view following restoration activities. 10/28/2025



PHOTO 26: Southern view following restoration activities. 10/28/2025



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Flagler 8 Federal #012H
Lea County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - nAPP2512561686										
HA - 1	05/09/25	0.5	0.00951	0.713	280	2,860	<49.7	2,860	3,140	4,370
HA - 1 ⁺	05/09/25	1	<0.00202	0.0224	<49.8	168	<49.8	168	168	6,770
HA - 2	05/09/25	0.5	0.075	13.8	821	3,210	<49.9	3,210	4,030	2,450
HA - 2 ⁺	05/09/25	1	<0.00198	0.0439	<50.0	<50.0	<50.0	<50.0	<50.0	5,460
HA - 2 ⁺	05/09/25	2	0.00444	0.0114	<49.8	<49.8	<49.8	<49.8	<49.8	3,360
HA - 2 ⁺	05/09/25	3	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	1,320
HA - 2	05/09/25	4	0.0043	0.00723	<50.0	<50.0	<50.0	<50.0	<50.0	1,040
HA - 3	05/09/25	0.5	1.18	94.9	4,810	22,300	<500	22,300	27,100	3,080
HA - 3	05/09/25	1	0.0122	6.96	427	2,430	<49.7	2,430	2,860	2,770
HA - 3 ⁺	05/09/25	2	<0.00199	0.0307	<49.8	68.9	<49.8	68.9	68.9	4,940
HA - 3 ⁺	05/09/25	3	0.00278	0.0142	<49.7	<49.7	<49.7	<49.7	<49.7	4,400
HA - 3	05/09/25	4	0.0115	0.0185	<49.8	<49.8	<49.8	<49.8	<49.8	189
HA - 4	05/09/25	0.5	0.0501	26.5	3,240	18,300	<498	18,300	21,500	595
HA - 4	05/09/25	1	0.291	106	6,120	19,200	<499	19,200	25,300	1,400
HA - 4	05/09/25	2	0.441	106	5,250	17,400	<500	17,400	22,700	3,890
HA - 4 ⁺	05/09/25	3	<0.00198	0.0941	<49.9	147	<49.9	147	147	5,090
HA - 4	05/09/25	4	<0.00201	0.0139	<50.0	93.5	<50.0	94	93.5	137
HA - 5	05/09/25	0.5	<0.00201	0.0233	<49.8	<49.8	<49.8	<49.8	<49.8	533
HA - 5	05/09/25	1	<0.00202	0.00485	<50.0	<50.0	<50.0	<50.0	<50.0	135
HA - 5	05/09/25	2	<0.00198	0.0109	<49.9	<49.9	<49.9	<49.9	<49.9	117
HA - 5	05/09/25	3	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	126
HA - 5	05/09/25	4	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	107
HA - 6	05/09/25	0.5	<0.0496	23.0	1,270	18,600	<498	18,600	19,900	429
HA - 6 ⁺	05/09/25	1	<0.00198	<0.00396	86.6	2,010	<49.7	2,010	2,100	1,830
HA - 7	05/09/25	0.5	<0.00199	0.0999	<50.0	<50.0	<50.0	<50.0	<50.0	190
HA - 7	05/09/25	2	<0.00200	0.00828	<49.8	<49.8	<49.8	<49.8	<49.8	116
HA - 7	05/09/25	4	<0.00201	0.00749	<50.0	<50.0	<50.0	<50.0	<50.0	109



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Flagler 8 Federal #012H
Lea County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - nAPP2512561686										
HA - 8	05/09/25	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	193
HA - 8	05/09/25	2	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	158
HA - 8	05/09/25	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	85.4
HA - 9	05/09/25	0.5	<0.00198	0.0153	<49.7	<49.7	<49.7	<49.7	<49.7	168
HA - 9	05/09/25	2	0.00447	0.0419	<49.9	<49.9	<49.9	<49.9	<49.9	254
HA - 9	05/09/25	4	<0.00201	0.0418	<49.9	<49.9	<49.9	<49.9	<49.9	164
HA - 10	05/09/25	0.5	0.00253	0.0348	<50.0	<50.0	<50.0	<50.0	<50.0	115
HA - 10	05/09/25	2	0.0034	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	236
HA - 10	05/09/25	4	0.00378	0.0198	<50.0	<50.0	<50.0	<50.0	<50.0	146
HA - 11	05/09/25	0.5	0.00201	0.00863	<50.0	<50.0	<50.0	<50.0	<50.0	114
HA - 11	05/09/25	2	0.00273	0.00979	<49.8	<49.8	<49.8	<49.8	<49.8	130
HA - 11	05/09/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	149
HA - 12	05/09/25	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	69.7
HA - 12	05/09/25	2	0.00228	0.0046	<49.9	<49.9	<49.9	<49.9	<49.9	139
HA - 12	05/09/25	4	0.00483	0.0126	<49.7	<49.7	<49.7	<49.7	<49.7	105
HA - 13	05/09/25	0.5	<0.00199	0.00614	<49.9	<49.9	<49.9	<49.9	<49.9	97.7
HA - 13	05/09/25	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	277
HA - 13	05/09/25	4	<0.00200	0.00948	<50.0	<50.0	<50.0	<50.0	<50.0	84.8
HA - 14	05/09/25	0.5	<0.00201	0.00841	<49.9	<49.9	<49.9	<49.9	<49.9	114
HA - 14	05/09/25	2	<0.00202	0.0046	<50.1	<50.1	<50.1	<50.1	<50.1	115
HA - 14	05/09/25	4	0.00481	0.0121	<49.9	<49.9	<49.9	<49.9	<49.9	90.5
Confirmation Soil Samples - nAPP2512561686										
CS - 1	08/19/25	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	72.1
CS - 2	08/19/25	4	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	16.4
CS - 3	08/19/25	4	<0.00198	<0.00396	<49.8	96.6	<49.8	96.6	96.6	1,020
CS - 4	08/19/25	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	21.9
CS - 5	08/19/25	4	<0.00199	<0.00398	<50.0	297	<50.0	297	297	2,250



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Flagler 8 Federal #012H
Lea County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Soil Samples - nAPP2512561686										
CS - 6	08/19/25	4	<0.00198	<0.00397	<49.8	94.8	<49.8	94.8	94.8	164
CS - 7	08/19/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	27.2
CS - 8	08/19/25	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	<9.92
CS - 9	08/19/25	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	420
CS - 10	08/19/25	4	<0.00202	<0.00404	<49.8	69.8	<49.8	69.8	69.8	382
CS - 11	08/19/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	2,350
CS - 12	08/19/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	15.0
CS - 13	08/19/25	4	<0.00198	<0.00396	<49.8	257	<49.8	257	257	2,110
CS - 14	08/19/25	4	<0.00201	<0.00402	<50.0	223	<50.0	223	223	517
CS - 15	08/19/25	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	13.2
CS - 16	08/19/25	4	<0.00198	<0.00396	<49.9	427	<49.9	427	427	1,840
CS - 17	08/19/25	4	<0.00199	<0.00398	<50.0	80.1	<50.0	80.1	80.1	318
CS - 18	08/19/25	4	<0.00200	<0.00400	<49.9	817	<49.9	817	817	1,730
CS - 19	08/19/25	4	<0.00200	0.0551	<50.0	<50.0	<50.0	<50.0	<50.0	22.3
CS - 20	08/19/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	15.4
CS - 21	08/19/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	775
CS - 22	08/19/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	170
CS - 23	08/19/25	4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	411
CS - 24	08/19/25	4	<0.00201	<0.00402	<50.1	842	<50.1	842	842	2,720
CS - 25	08/19/25	4	<0.00200	<0.00399	<50.1	57	<50.1	57	57	708
CS - 26 ⁺	08/19/25	4	<0.00201	<0.00402	<49.9	1,390	54.7	1,390	1,440	1,140
CS - 26	09/02/25	5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	10.8
CS - 27 ⁺	08/19/25	4	<0.00199	<0.00398	<49.7	1,160	55.6	1,160	1,220	571
CS - 27	09/02/25	5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	<9.92
CS - 28	08/19/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	59.9
CS - 29	08/19/25	4	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	343
CS - 30	08/19/25	4	<0.00201	<0.00402	<49.8	157	<49.8	157	157	258
CS - 31	08/19/25	4	<0.00199	<0.00398	<49.7	334	<49.7	334	334	954
CS - 32 ⁺	08/19/25	4	<0.00198	<0.00396	<49.8	1,040	<49.8	1,040	1,040	2,090
CS - 32	09/02/25	5	0.0073	0.204	<49.9	<49.9	<49.9	<49.9	<49.9	80.9



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Flagler 8 Federal #012H
Lea County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Soil Samples - nAPP2512561686										
CS - 33	08/19/25	4	<0.00200	<0.00399	<50.0	55.2	<50.0	55.2	55.2	537
SW - 1	08/19/25	0-4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	25.2
SW - 2	08/19/25	0-4	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	24.1
SW - 3	08/19/25	0-4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	182
SW - 4	08/19/25	0-4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<9.92
SW - 5	08/19/25	0-4	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	55
SW - 6	08/19/25	0-4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	72.9

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in **bold and highlighted** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard[†] for Soils Impacted by a Release[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.



Outlook

Re: [EXTERNAL] Major Undesirable Event - Flagler 8 Federal #012H - nAPP2512561686

From CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>**Date** Wed 5/7/2025 11:56 AM**To** Gilbert Moreno <gmoreno@earthsys.net>**Cc** Raley, Jim <jim.ralej@dvn.com>

No worries! No sundry needed. We will start working on this spill on our side!

Thank you,

Crisha A. Morgan | Certified - Environmental Protection Specialist | Program Officer|COR| Spills Coordinator| Orphaned & Idled Well POC Lead
Bureau of Land Management | Carlsbad Field Office
620 E. Greene Street Carlsbad, NM 88220
Cell 575-200-8648 | Office 575-234-5987 | camorgan@blm.gov

From: Gilbert Moreno <gmoreno@earthsys.net>**Sent:** Tuesday, May 6, 2025 8:39 AM**To:** CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>; Morgan, Crisha A <camorgan@blm.gov>**Cc:** Raley, Jim <jim.ralej@dvn.com>**Subject:** [EXTERNAL] Major Undesirable Event - Flagler 8 Federal #012H - nAPP2512561686

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.
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Crisha,

Devon Energy had a spill off location at the Flagler 8 Federal #012H (32.139413°, -103.591769°) on 5/4/2025. Initial notification was made to NMOCD via Notification of Release (NOR) on 5/5/2025. I apologize for not getting you notified sooner, as we were determining the release extent and surface owner. The NMOCD incident number is nAPP2512561686.

Can you please confirm if a sundry will be required prior to any mechanical equipment activities at this location? The area appears to have recently been reclaimed.

Coordinates to Well (API: 30-025-45163): 32.1383485,-103.5912743

Coordinates to Point of Release: 32.139413°, -103.591769°

Incident Number: nAPP2512561686

14 bbls produced water and 1 bbl crude oil offsite, due to pinhole leak in shallow flowline.

Attached:

MUE Form w/ photos
KMZ

Please let me know if you need any additional details.

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





Outlook

RE: [EXTERNAL] FLAGLER 8 FEDERAL #012H - Extension Request - nAPP2512561686

From Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>**Date** Mon 8/4/2025 7:19 AM**To** Gilbert Moreno <gmoreno@earthsys.net>**Cc** Raley, Jim <jim.raley@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Good morning Gilbert,

The extension request for NAPP2512561686 FLAGLER 8 FEDERAL #012H is approved. The new due date to submit your closure report to the OCD is November 3, 2025. Please include a copy of this and all notifications in the remedial and/or closure report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Gilbert Moreno <gmoreno@earthsys.net>**Sent:** Saturday, August 2, 2025 3:28 PM**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>**Cc:** Raley, Jim <jim.raley@dvn.com>**Subject:** [EXTERNAL] FLAGLER 8 FEDERAL #012H - Extension Request - nAPP2512561686

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

Hello,

Earth Sytems 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 FLAGLER 8 FEDERAL #012H (Site).

A produced water and crude oil release was discovered on May 5, 2025, and was subsequently assigned Incident Number nAPP2512561686. ESRR performed initial delineation activities on May 9,

2025. Remediation activities were delayed while the damaged flow line was replaced/ repaired but are scheduled to commence August 5, 2025.

Devon requests an extension of the August 4, 2025, deadline for the release associated with Incident Number nAPP2512561686 , to allow additional time for remediation activities. Upon favorable confirmation sampling, ESRR will complete a subsequent corrective action closure report.

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





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 5/16/2025 11:44:31 AM

JOB DESCRIPTION

Flagler 8 Federal #012H
Lea County, NM

JOB NUMBER

890-8144-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

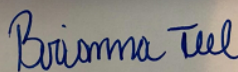
Eurofins Carlsbad

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
5/16/2025 11:44:31 AM

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

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Laboratory Job ID: 890-8144-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	9
Surrogate Summary	48
QC Sample Results	52
QC Association Summary	71
Lab Chronicle	84
Certification Summary	99
Method Summary	100
Sample Summary	101
Chain of Custody	102
Receipt Checklists	108

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD 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
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
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.
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)

Eurofins Carlsbad

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

- 1
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Case Narrative

Client: Earth Systems Response and Restoration
Project: Flagler 8 Federal #012H

Job ID: 890-8144-1

Job ID: 890-8144-1

Eurofins Carlsbad

Job Narrative 890-8144-1

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 5/9/2025 2:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8144-1), HA - 1 (890-8144-2), HA - 2 (890-8144-3), HA - 2 (890-8144-4), HA - 2 (890-8144-5), HA - 2 (890-8144-6), HA - 2 (890-8144-7), HA - 3 (890-8144-8), HA - 3 (890-8144-9), HA - 3 (890-8144-10), HA - 3 (890-8144-11), HA - 3 (890-8144-12), HA - 4 (890-8144-13), HA - 4 (890-8144-14), HA - 4 (890-8144-15), HA - 4 (890-8144-16), HA - 4 (890-8144-17), HA - 5 (890-8144-18), HA - 5 (890-8144-19), HA - 5 (890-8144-20), HA - 5 (890-8144-21), HA - 5 (890-8144-22), HA - 6 (890-8144-23), HA - 6 (890-8144-24), HA - 7 (890-8144-25), HA - 7 (890-8144-26), HA - 7 (890-8144-27), HA - 8 (890-8144-28), HA - 8 (890-8144-29), HA - 8 (890-8144-30), HA - 9 (890-8144-31), HA - 9 (890-8144-32), HA - 9 (890-8144-33), HA - 10 (890-8144-34), HA - 10 (890-8144-35), HA - 10 (890-8144-36), HA - 11 (890-8144-37), HA - 11 (890-8144-38), HA - 11 (890-8144-39), HA - 12 (890-8144-40), HA - 12 (890-8144-41), HA - 12 (890-8144-42), HA - 13 (890-8144-43), HA - 13 (890-8144-44), HA - 13 (890-8144-45), HA - 14 (890-8144-46), HA - 14 (890-8144-47) and HA - 14 (890-8144-48).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8144-1), HA - 1 (890-8144-2), HA - 2 (890-8144-3), HA - 2 (890-8144-4), HA - 2 (890-8144-5), HA - 3 (890-8144-9), HA - 12 (890-8144-41), HA - 12 (890-8144-42), HA - 13 (890-8144-45), HA - 14 (890-8144-47), (890-8144-A-1-B MS) and (890-8144-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-109924 and analytical batch 880-109915 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 8021B: The surrogate recovery for the blank associated with preparation batch 880-109924 and analytical batch 880-109915 was outside the control limits.

Method 8021B: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-109924 and analytical batch 880-109915 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of o-Xylene in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 3 (890-8144-8) and HA - 3 (890-8144-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 3 (890-8144-11), HA - 4 (890-8144-13), HA - 4 (890-8144-14), HA - 4 (890-8144-15), HA - 4 (890-8144-16), HA - 4 (890-8144-17), HA - 5 (890-8144-18), HA - 5 (890-8144-19) and HA - 5 (890-8144-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-109916 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been

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Case Narrative

Client: Earth Systems Response and Restoration
Project: Flagler 8 Federal #012H

Job ID: 890-8144-1

Job ID: 890-8144-1 (Continued)

Eurofins Carlsbad

reported. The associated sample is:(CCV 880-109916/33).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-109926 and analytical batch 880-109915 was outside the control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-110006 and analytical batch 880-109990 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 4 (890-8144-13), HA - 4 (890-8144-14), HA - 6 (890-8144-23) and (880-58004-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) preparation batch 880-110006 and analytical batch 880-109990 recovered outside control limits for the following analytes: m-Xylene & p-Xylene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: HA - 4 (890-8144-13), HA - 4 (890-8144-14) and HA - 6 (890-8144-23). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA - 4 (890-8144-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA - 3 (890-8144-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: HA - 4 (890-8144-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with preparation batch 880-109952 and analytical batch 880-110067 were outside control limits: (890-8144-A-47-D MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA - 1 (890-8144-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA - 2 (890-8144-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA - 3 (890-8144-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA - 6 (890-8144-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 2 (890-8144-7), HA - 4 (890-8144-16) and (890-8144-A-7-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-8144-A-7-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-110069 and analytical batch 880-110094 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-8144-A-48-E MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-110069 and analytical batch 880-110094 contained Diesel

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Case Narrative

Client: Earth Systems Response and Restoration
Project: Flagler 8 Federal #012H

Job ID: 890-8144-1

Job ID: 890-8144-1 (Continued)

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Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 3 (890-8144-8), HA - 4 (890-8144-13), HA - 4 (890-8144-14) and HA - 4 (890-8144-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: HA - 6 (890-8144-23). 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 880-109992 and analytical batch 880-110002 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 880-109993 and analytical batch 880-110046 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: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8144-1

Date Collected: 05/09/25 07:00

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00951	F1 F2	0.00200		mg/Kg		05/12/25 09:18	05/12/25 11:48	1
Toluene	0.103	F1 F2	0.00200		mg/Kg		05/12/25 09:18	05/12/25 11:48	1
Ethylbenzene	0.0801	F1 F2	0.00200		mg/Kg		05/12/25 09:18	05/12/25 11:48	1
m-Xylene & p-Xylene	0.223	F1 F2	0.00399		mg/Kg		05/12/25 09:18	05/12/25 11:48	1
o-Xylene	0.297	F1 F2	0.00200		mg/Kg		05/12/25 09:18	05/12/25 11:48	1
Xylenes, Total	0.520	F1 F2	0.00399		mg/Kg		05/12/25 09:18	05/12/25 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	339	S1+	70 - 130	05/12/25 09:18	05/12/25 11:48	1
1,4-Difluorobenzene (Surr)	81		70 - 130	05/12/25 09:18	05/12/25 11:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.713		0.00399		mg/Kg			05/12/25 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3140		49.7		mg/Kg			05/13/25 15:53	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	280		49.7		mg/Kg		05/12/25 07:59	05/13/25 15:53	1
Diesel Range Organics (Over C10-C28)	2860		49.7		mg/Kg		05/12/25 07:59	05/13/25 15:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/12/25 07:59	05/13/25 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	05/12/25 07:59	05/13/25 15:53	1
o-Terphenyl	168	S1+	70 - 130	05/12/25 07:59	05/13/25 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4370		50.1		mg/Kg			05/12/25 17:54	5

Client Sample ID: HA - 1

Lab Sample ID: 890-8144-2

Date Collected: 05/09/25 07:05

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

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		05/12/25 09:18	05/12/25 12:08	1
Toluene	0.00262		0.00202		mg/Kg		05/12/25 09:18	05/12/25 12:08	1
Ethylbenzene	0.0120		0.00202		mg/Kg		05/12/25 09:18	05/12/25 12:08	1
m-Xylene & p-Xylene	0.00561		0.00403		mg/Kg		05/12/25 09:18	05/12/25 12:08	1
o-Xylene	0.00219		0.00202		mg/Kg		05/12/25 09:18	05/12/25 12:08	1
Xylenes, Total	0.00780		0.00403		mg/Kg		05/12/25 09:18	05/12/25 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	05/12/25 09:18	05/12/25 12:08	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8144-2

Date Collected: 05/09/25 07:05

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	75		70 - 130	05/12/25 09:18	05/12/25 12:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0224		0.00403		mg/Kg			05/12/25 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	168		49.8		mg/Kg			05/13/25 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		05/12/25 07:59	05/13/25 16:08	1
Diesel Range Organics (Over C10-C28)	168		49.8		mg/Kg		05/12/25 07:59	05/13/25 16:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 07:59	05/13/25 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/12/25 07:59	05/13/25 16:08	1
o-Terphenyl	122		70 - 130				05/12/25 07:59	05/13/25 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6770		99.6		mg/Kg			05/12/25 17:59	10

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-3

Date Collected: 05/09/25 07:10

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0750		0.00199		mg/Kg		05/12/25 09:18	05/12/25 12:29	1
Toluene	2.13		0.0998		mg/Kg		05/12/25 09:27	05/13/25 06:30	50
Ethylbenzene	0.876		0.0998		mg/Kg		05/12/25 09:27	05/13/25 06:30	50
m-Xylene & p-Xylene	8.06		0.200		mg/Kg		05/12/25 09:27	05/13/25 06:30	50
o-Xylene	2.66		0.0998		mg/Kg		05/12/25 09:27	05/13/25 06:30	50
Xylenes, Total	10.7		0.200		mg/Kg		05/12/25 09:27	05/13/25 06:30	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	283	S1+	70 - 130	05/12/25 09:18	05/12/25 12:29	1
1,4-Difluorobenzene (Surr)	76		70 - 130	05/12/25 09:18	05/12/25 12:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	13.8		0.200		mg/Kg			05/13/25 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4030		49.9		mg/Kg			05/13/25 16:23	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-3

Date Collected: 05/09/25 07:10

Matrix: Solid

Date Received: 05/09/25 14:48

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	821		49.9		mg/Kg		05/12/25 07:59	05/13/25 16:23	1
Diesel Range Organics (Over C10-C28)	3210		49.9		mg/Kg		05/12/25 07:59	05/13/25 16:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 07:59	05/13/25 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				05/12/25 07:59	05/13/25 16:23	1
o-Terphenyl	188	S1+	70 - 130				05/12/25 07:59	05/13/25 16:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2450		50.5		mg/Kg			05/12/25 18:04	5

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-4

Date Collected: 05/09/25 07:15

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/12/25 12:49	1
Toluene	0.00470		0.00198		mg/Kg		05/12/25 09:18	05/12/25 12:49	1
Ethylbenzene	0.00445		0.00198		mg/Kg		05/12/25 09:18	05/12/25 12:49	1
m-Xylene & p-Xylene	0.0281		0.00396		mg/Kg		05/12/25 09:18	05/12/25 12:49	1
o-Xylene	0.00669		0.00198		mg/Kg		05/12/25 09:18	05/12/25 12:49	1
Xylenes, Total	0.0348		0.00396		mg/Kg		05/12/25 09:18	05/12/25 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				05/12/25 09:18	05/12/25 12:49	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				05/12/25 09:18	05/12/25 12:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0439		0.00396		mg/Kg			05/12/25 12:49	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			05/13/25 16:38	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	<50.0	U	50.0		mg/Kg		05/12/25 07:59	05/13/25 16:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 07:59	05/13/25 16:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 07:59	05/13/25 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/12/25 07:59	05/13/25 16:38	1
o-Terphenyl	121		70 - 130				05/12/25 07:59	05/13/25 16:38	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-4

Date Collected: 05/09/25 07:15

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5460		50.1		mg/Kg			05/12/25 18:09	5

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-5

Date Collected: 05/09/25 07:20

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00444		0.00201		mg/Kg		05/12/25 09:18	05/12/25 13:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/12/25 13:10	1
Ethylbenzene	0.00693		0.00201		mg/Kg		05/12/25 09:18	05/12/25 13:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/12/25 13:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/12/25 13:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/12/25 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				05/12/25 09:18	05/12/25 13:10	1
1,4-Difluorobenzene (Surr)	52	S1-	70 - 130				05/12/25 09:18	05/12/25 13:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0114		0.00402		mg/Kg			05/12/25 13:10	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			05/13/25 16:53	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	<49.8	U	49.8		mg/Kg		05/12/25 07:59	05/13/25 16:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 07:59	05/13/25 16:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 07:59	05/13/25 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/12/25 07:59	05/13/25 16:53	1
o-Terphenyl	115		70 - 130				05/12/25 07:59	05/13/25 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3360		49.7		mg/Kg			05/12/25 18:14	5

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-6

Date Collected: 05/09/25 07:25

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/12/25 13:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/12/25 13:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/12/25 13:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/12/25 09:18	05/12/25 13:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/12/25 13:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/12/25 09:18	05/12/25 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	05/12/25 09:18	05/12/25 13:30	1
1,4-Difluorobenzene (Surr)	75		70 - 130	05/12/25 09:18	05/12/25 13:30	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			05/12/25 13:30	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			05/13/25 17:08	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		05/12/25 07:59	05/13/25 17:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 07:59	05/13/25 17:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 07:59	05/13/25 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	05/12/25 07:59	05/13/25 17:08	1
o-Terphenyl	126		70 - 130	05/12/25 07:59	05/13/25 17:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		9.90		mg/Kg			05/12/25 18:20	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-7

Date Collected: 05/09/25 07:30

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00430		0.00201		mg/Kg		05/12/25 09:18	05/12/25 13:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/12/25 13:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/12/25 13:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/12/25 13:51	1
o-Xylene	0.00293		0.00201		mg/Kg		05/12/25 09:18	05/12/25 13:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/12/25 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/12/25 09:18	05/12/25 13:51	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-7

Date Collected: 05/09/25 07:30

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130	05/12/25 09:18	05/12/25 13:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00723		0.00402		mg/Kg			05/12/25 13:51	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			05/13/25 11:38	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	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 11:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 11:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 11:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				05/12/25 08:02	05/13/25 11:38	1
o-Terphenyl	134	S1+	70 - 130				05/12/25 08:02	05/13/25 11:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		9.90		mg/Kg			05/13/25 08:54	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-8

Date Collected: 05/09/25 07:35

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.18		0.0500		mg/Kg		05/12/25 12:32	05/12/25 21:12	25
Toluene	16.6		0.499		mg/Kg		05/13/25 08:32	05/13/25 14:16	250
Ethylbenzene	6.57		0.0500		mg/Kg		05/12/25 12:32	05/12/25 21:12	25
m-Xylene & p-Xylene	57.3	*-	0.998		mg/Kg		05/13/25 08:32	05/13/25 14:16	250
o-Xylene	13.2		0.499		mg/Kg		05/13/25 08:32	05/13/25 14:16	250
Xylenes, Total	70.5	*-	0.998		mg/Kg		05/13/25 08:32	05/13/25 14:16	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	769	S1+	70 - 130	05/12/25 12:32	05/12/25 21:12	25
1,4-Difluorobenzene (Surr)	85		70 - 130	05/12/25 12:32	05/12/25 21:12	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	94.9		0.998		mg/Kg			05/13/25 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	27100		500		mg/Kg			05/15/25 15:58	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-8

Date Collected: 05/09/25 07:35

Matrix: Solid

Date Received: 05/09/25 14:48

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	4810		500		mg/Kg		05/14/25 15:15	05/15/25 15:58	10
Diesel Range Organics (Over C10-C28)	22300		500		mg/Kg		05/14/25 15:15	05/15/25 15:58	10
Oil Range Organics (Over C28-C36)	<500	U	500		mg/Kg		05/14/25 15:15	05/15/25 15:58	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	246	S1+	70 - 130				05/14/25 15:15	05/15/25 15:58	10
o-Terphenyl	269	S1+	70 - 130				05/14/25 15:15	05/15/25 15:58	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3080		49.6		mg/Kg			05/13/25 09:10	5

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-9

Date Collected: 05/09/25 07:40

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0122		0.00199		mg/Kg		05/12/25 09:18	05/12/25 14:32	1
Toluene	0.320		0.00199		mg/Kg		05/12/25 09:18	05/12/25 14:32	1
Ethylbenzene	0.128		0.00199		mg/Kg		05/12/25 09:18	05/12/25 14:32	1
m-Xylene & p-Xylene	4.91		0.0990		mg/Kg		05/12/25 12:32	05/13/25 00:08	25
o-Xylene	1.59		0.0495		mg/Kg		05/12/25 12:32	05/13/25 00:08	25
Xylenes, Total	6.50		0.0990		mg/Kg		05/12/25 12:32	05/13/25 00:08	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	590	S1+	70 - 130				05/12/25 09:18	05/12/25 14:32	1
1,4-Difluorobenzene (Surr)	76		70 - 130				05/12/25 09:18	05/12/25 14:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	6.96		0.0990		mg/Kg			05/13/25 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2860		49.7		mg/Kg			05/13/25 12:37	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	427		49.7		mg/Kg		05/12/25 08:02	05/13/25 12:37	1
Diesel Range Organics (Over C10-C28)	2430		49.7		mg/Kg		05/12/25 08:02	05/13/25 12:37	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/12/25 08:02	05/13/25 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				05/12/25 08:02	05/13/25 12:37	1
o-Terphenyl	173	S1+	70 - 130				05/12/25 08:02	05/13/25 12:37	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-9

Date Collected: 05/09/25 07:40

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2770		49.8		mg/Kg			05/13/25 09:15	5

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-10

Date Collected: 05/09/25 07:45

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/12/25 14:52	1
Toluene	0.00393		0.00199		mg/Kg		05/12/25 09:18	05/12/25 14:52	1
Ethylbenzene	0.00330		0.00199		mg/Kg		05/12/25 09:18	05/12/25 14:52	1
m-Xylene & p-Xylene	0.0181		0.00398		mg/Kg		05/12/25 09:18	05/12/25 14:52	1
o-Xylene	0.00535		0.00199		mg/Kg		05/12/25 09:18	05/12/25 14:52	1
Xylenes, Total	0.0235		0.00398		mg/Kg		05/12/25 09:18	05/12/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				05/12/25 09:18	05/12/25 14:52	1
1,4-Difluorobenzene (Surr)	73		70 - 130				05/12/25 09:18	05/12/25 14:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0307		0.00398		mg/Kg			05/12/25 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.9		49.8		mg/Kg			05/13/25 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 12:52	1
Diesel Range Organics (Over C10-C28)	68.9		49.8		mg/Kg		05/12/25 08:02	05/13/25 12:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				05/12/25 08:02	05/13/25 12:52	1
o-Terphenyl	126		70 - 130				05/12/25 08:02	05/13/25 12:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4940		50.2		mg/Kg			05/13/25 09:20	5

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-11

Date Collected: 05/09/25 07:50

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00278		0.00202		mg/Kg		05/12/25 09:18	05/12/25 16:26	1
Toluene	0.00603		0.00202		mg/Kg		05/12/25 09:18	05/12/25 16:26	1
Ethylbenzene	0.00303		0.00202		mg/Kg		05/12/25 09:18	05/12/25 16:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/12/25 09:18	05/12/25 16:26	1
o-Xylene	0.00240		0.00202		mg/Kg		05/12/25 09:18	05/12/25 16:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/12/25 09:18	05/12/25 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/12/25 09:18	05/12/25 16:26	1
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130	05/12/25 09:18	05/12/25 16:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0142		0.00403		mg/Kg			05/12/25 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/13/25 13:07	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		05/12/25 08:02	05/13/25 13:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/12/25 08:02	05/13/25 13:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/12/25 08:02	05/13/25 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	05/12/25 08:02	05/13/25 13:07	1
o-Terphenyl	123		70 - 130	05/12/25 08:02	05/13/25 13:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4400		50.5		mg/Kg			05/13/25 09:25	5

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-12

Date Collected: 05/09/25 07:55

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0115		0.00200		mg/Kg		05/12/25 09:18	05/12/25 16:46	1
Toluene	0.00696		0.00200		mg/Kg		05/12/25 09:18	05/12/25 16:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 16:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/25 09:18	05/12/25 16:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 16:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/25 09:18	05/12/25 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/12/25 09:18	05/12/25 16:46	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-12

Date Collected: 05/09/25 07:55

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	76		70 - 130	05/12/25 09:18	05/12/25 16:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0185		0.00399		mg/Kg			05/12/25 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/13/25 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	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 13:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 13:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				05/12/25 08:02	05/13/25 13:22	1
o-Terphenyl	127		70 - 130				05/12/25 08:02	05/13/25 13:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		9.94		mg/Kg			05/13/25 09:41	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-13

Date Collected: 05/09/25 08:00

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0501		0.00200		mg/Kg		05/12/25 09:18	05/12/25 17:07	1
Toluene	1.10		0.100		mg/Kg		05/13/25 08:32	05/13/25 13:15	50
Ethylbenzene	9.55		0.100		mg/Kg		05/13/25 08:32	05/13/25 13:15	50
m-Xylene & p-Xylene	3.14	*	0.201		mg/Kg		05/13/25 08:32	05/13/25 13:15	50
o-Xylene	12.7		0.100		mg/Kg		05/13/25 08:32	05/13/25 13:15	50
Xylenes, Total	15.8	*	0.201		mg/Kg		05/13/25 08:32	05/13/25 13:15	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	2694	S1+	70 - 130	05/12/25 09:18	05/12/25 17:07	1
1,4-Difluorobenzene (Surr)	73		70 - 130	05/12/25 09:18	05/12/25 17:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	26.5		0.201		mg/Kg			05/13/25 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	21500		498		mg/Kg			05/15/25 16:13	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-13

Date Collected: 05/09/25 08:00

Matrix: Solid

Date Received: 05/09/25 14:48

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	3240		498		mg/Kg		05/14/25 15:15	05/15/25 16:13	10
Diesel Range Organics (Over C10-C28)	18300		498		mg/Kg		05/14/25 15:15	05/15/25 16:13	10
Oil Range Organics (Over C28-C36)	<498	U	498		mg/Kg		05/14/25 15:15	05/15/25 16:13	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	206	S1+	70 - 130				05/14/25 15:15	05/15/25 16:13	10
o-Terphenyl	238	S1+	70 - 130				05/14/25 15:15	05/15/25 16:13	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	595		9.98		mg/Kg			05/13/25 09:46	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-14

Date Collected: 05/09/25 08:05

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.291		0.198		mg/Kg		05/13/25 08:32	05/13/25 13:35	100
Toluene	16.7		0.198		mg/Kg		05/13/25 08:32	05/13/25 13:35	100
Ethylbenzene	7.41		0.198		mg/Kg		05/13/25 08:32	05/13/25 13:35	100
m-Xylene & p-Xylene	62.2	*-	0.396		mg/Kg		05/13/25 08:32	05/13/25 13:35	100
o-Xylene	19.8		0.198		mg/Kg		05/13/25 08:32	05/13/25 13:35	100
Xylenes, Total	82.0	*-	0.396		mg/Kg		05/13/25 08:32	05/13/25 13:35	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	4201	S1+	70 - 130				05/12/25 09:18	05/12/25 17:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/12/25 09:18	05/12/25 17:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	106		0.396		mg/Kg			05/13/25 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	25300		499		mg/Kg			05/15/25 16:28	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	6120		499		mg/Kg		05/14/25 15:15	05/15/25 16:28	10
Diesel Range Organics (Over C10-C28)	19200		499		mg/Kg		05/14/25 15:15	05/15/25 16:28	10
Oil Range Organics (Over C28-C36)	<499	U	499		mg/Kg		05/14/25 15:15	05/15/25 16:28	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	236	S1+	70 - 130				05/14/25 15:15	05/15/25 16:28	10
o-Terphenyl	242	S1+	70 - 130				05/14/25 15:15	05/15/25 16:28	10

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-14

Date Collected: 05/09/25 08:05

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		10.0		mg/Kg			05/13/25 09:51	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-15

Date Collected: 05/09/25 08:10

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.441		0.199		mg/Kg		05/13/25 08:32	05/13/25 13:56	100
Toluene	17.2		0.199		mg/Kg		05/13/25 08:32	05/13/25 13:56	100
Ethylbenzene	7.88		0.199		mg/Kg		05/13/25 08:32	05/13/25 13:56	100
m-Xylene & p-Xylene	55.9		2.00		mg/Kg		05/14/25 08:43	05/14/25 14:37	500
o-Xylene	24.5		0.199		mg/Kg		05/13/25 08:32	05/13/25 13:56	100
Xylenes, Total	70.1		2.00		mg/Kg		05/14/25 08:43	05/14/25 14:37	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	390	S1+	70 - 130				05/13/25 08:32	05/13/25 13:56	100
1,4-Difluorobenzene (Surr)	108		70 - 130				05/13/25 08:32	05/13/25 13:56	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	106		2.00		mg/Kg			05/14/25 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22700		500		mg/Kg			05/15/25 16:43	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	5250		500		mg/Kg		05/14/25 15:15	05/15/25 16:43	10
Diesel Range Organics (Over C10-C28)	17400		500		mg/Kg		05/14/25 15:15	05/15/25 16:43	10
Oil Range Organics (Over C28-C36)	<500	U	500		mg/Kg		05/14/25 15:15	05/15/25 16:43	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	212	S1+	70 - 130				05/14/25 15:15	05/15/25 16:43	10
o-Terphenyl	232	S1+	70 - 130				05/14/25 15:15	05/15/25 16:43	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3890		50.0		mg/Kg			05/13/25 09:56	5

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-16

Date Collected: 05/09/25 08:15

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/12/25 18:09	1
Toluene	0.0125		0.00198		mg/Kg		05/12/25 09:18	05/12/25 18:09	1
Ethylbenzene	0.00319		0.00198		mg/Kg		05/12/25 09:18	05/12/25 18:09	1
m-Xylene & p-Xylene	0.0584		0.00396		mg/Kg		05/12/25 09:18	05/12/25 18:09	1
o-Xylene	0.0200		0.00198		mg/Kg		05/12/25 09:18	05/12/25 18:09	1
Xylenes, Total	0.0784		0.00396		mg/Kg		05/12/25 09:18	05/12/25 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	05/12/25 09:18	05/12/25 18:09	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	05/12/25 09:18	05/12/25 18:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0941		0.00396		mg/Kg			05/12/25 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	147		49.9		mg/Kg			05/13/25 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/25 08:02	05/13/25 14:22	1
Diesel Range Organics (Over C10-C28)	147		49.9		mg/Kg		05/12/25 08:02	05/13/25 14:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:02	05/13/25 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	05/12/25 08:02	05/13/25 14:22	1
o-Terphenyl	134	S1+	70 - 130	05/12/25 08:02	05/13/25 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5090		100		mg/Kg			05/13/25 10:02	10

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-17

Date Collected: 05/09/25 08:20

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/12/25 18:29	1
Toluene	0.00216		0.00201		mg/Kg		05/12/25 09:18	05/12/25 18:29	1
Ethylbenzene	0.00355		0.00201		mg/Kg		05/12/25 09:18	05/12/25 18:29	1
m-Xylene & p-Xylene	0.00531		0.00402		mg/Kg		05/12/25 09:18	05/12/25 18:29	1
o-Xylene	0.00291		0.00201		mg/Kg		05/12/25 09:18	05/12/25 18:29	1
Xylenes, Total	0.00822		0.00402		mg/Kg		05/12/25 09:18	05/12/25 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/12/25 09:18	05/12/25 18:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-17

Date Collected: 05/09/25 08:20

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	54	S1-	70 - 130	05/12/25 09:18	05/12/25 18:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0139		0.00402		mg/Kg			05/12/25 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	93.5		50.0		mg/Kg			05/13/25 14:52	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		05/12/25 08:02	05/13/25 14:52	1
Diesel Range Organics (Over C10-C28)	93.5		50.0		mg/Kg		05/12/25 08:02	05/13/25 14:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/12/25 08:02	05/13/25 14:52	1
o-Terphenyl	117		70 - 130				05/12/25 08:02	05/13/25 14:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		10.0		mg/Kg			05/13/25 10:07	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-18

Date Collected: 05/09/25 08:25

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/12/25 18:50	1
Toluene	0.00272		0.00201		mg/Kg		05/12/25 09:18	05/12/25 18:50	1
Ethylbenzene	0.00852		0.00201		mg/Kg		05/12/25 09:18	05/12/25 18:50	1
m-Xylene & p-Xylene	0.00849		0.00402		mg/Kg		05/12/25 09:18	05/12/25 18:50	1
o-Xylene	0.00359		0.00201		mg/Kg		05/12/25 09:18	05/12/25 18:50	1
Xylenes, Total	0.0121		0.00402		mg/Kg		05/12/25 09:18	05/12/25 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/12/25 09:18	05/12/25 18:50	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130	05/12/25 09:18	05/12/25 18:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0233		0.00402		mg/Kg			05/12/25 18:50	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			05/13/25 15:07	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-18

Date Collected: 05/09/25 08:25

Matrix: Solid

Date Received: 05/09/25 14:48

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	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 15:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 15:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				05/12/25 08:02	05/13/25 15:07	1
o-Terphenyl	110		70 - 130				05/12/25 08:02	05/13/25 15:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	533		9.94		mg/Kg			05/13/25 10:22	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-19

Date Collected: 05/09/25 08:30

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

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		05/12/25 09:18	05/12/25 19:10	1
Toluene	0.00235		0.00202		mg/Kg		05/12/25 09:18	05/12/25 19:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/12/25 19:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/12/25 09:18	05/12/25 19:10	1
o-Xylene	0.00250		0.00202		mg/Kg		05/12/25 09:18	05/12/25 19:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/12/25 09:18	05/12/25 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				05/12/25 09:18	05/12/25 19:10	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130				05/12/25 09:18	05/12/25 19:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00485		0.00403		mg/Kg			05/12/25 19:10	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			05/13/25 15:22	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		05/12/25 08:02	05/13/25 15:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 15:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				05/12/25 08:02	05/13/25 15:22	1
o-Terphenyl	109		70 - 130				05/12/25 08:02	05/13/25 15:22	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-19

Date Collected: 05/09/25 08:30

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		9.92		mg/Kg			05/13/25 10:28	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-20

Date Collected: 05/09/25 08:35

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/12/25 19:31	1
Toluene	0.00232		0.00198		mg/Kg		05/12/25 09:18	05/12/25 19:31	1
Ethylbenzene	0.00526		0.00198		mg/Kg		05/12/25 09:18	05/12/25 19:31	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/12/25 09:18	05/12/25 19:31	1
o-Xylene	0.00329		0.00198		mg/Kg		05/12/25 09:18	05/12/25 19:31	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/12/25 09:18	05/12/25 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				05/12/25 09:18	05/12/25 19:31	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130				05/12/25 09:18	05/12/25 19:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0109		0.00397		mg/Kg			05/12/25 19:31	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			05/13/25 15:38	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	<49.9	U	49.9		mg/Kg		05/12/25 08:02	05/13/25 15:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:02	05/13/25 15:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:02	05/13/25 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/12/25 08:02	05/13/25 15:38	1
o-Terphenyl	118		70 - 130				05/12/25 08:02	05/13/25 15:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		10.0		mg/Kg			05/13/25 10:43	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-21

Date Collected: 05/09/25 08:40

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/12/25 23:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/12/25 23:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/12/25 23:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/12/25 09:18	05/12/25 23:49	1
o-Xylene	0.00219		0.00202		mg/Kg		05/12/25 09:18	05/12/25 23:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/12/25 09:18	05/12/25 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/12/25 09:18	05/12/25 23:49	1
1,4-Difluorobenzene (Surr)	112		70 - 130	05/12/25 09:18	05/12/25 23:49	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			05/12/25 23:49	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			05/13/25 15:53	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	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 15:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 15:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	05/12/25 08:02	05/13/25 15:53	1
o-Terphenyl	119		70 - 130	05/12/25 08:02	05/13/25 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		10.1		mg/Kg			05/13/25 10:48	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-22

Date Collected: 05/09/25 08:45

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/13/25 00:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/13/25 00:09	1
Ethylbenzene	0.00331		0.00201		mg/Kg		05/12/25 09:18	05/13/25 00:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/13/25 00:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/13/25 00:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/13/25 00:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/12/25 09:18	05/13/25 00:09	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-22

Date Collected: 05/09/25 08:45

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	05/12/25 09:18	05/13/25 00:09	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			05/13/25 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/13/25 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	<49.7	U	49.7		mg/Kg		05/12/25 08:02	05/13/25 16:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/12/25 08:02	05/13/25 16:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/12/25 08:02	05/13/25 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/12/25 08:02	05/13/25 16:08	1
o-Terphenyl	114		70 - 130				05/12/25 08:02	05/13/25 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		9.94		mg/Kg			05/13/25 10:53	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8144-23

Date Collected: 05/09/25 08:50

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0496	U	0.0496		mg/Kg		05/13/25 08:32	05/13/25 12:54	25
Toluene	1.60		0.0496		mg/Kg		05/13/25 08:32	05/13/25 12:54	25
Ethylbenzene	1.50		0.0496		mg/Kg		05/13/25 08:32	05/13/25 12:54	25
m-Xylene & p-Xylene	14.2	*	0.0992		mg/Kg		05/13/25 08:32	05/13/25 12:54	25
o-Xylene	5.74		0.0496		mg/Kg		05/13/25 08:32	05/13/25 12:54	25
Xylenes, Total	19.9	*	0.0992		mg/Kg		05/13/25 08:32	05/13/25 12:54	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	816	S1+	70 - 130	05/13/25 08:32	05/13/25 12:54	25
1,4-Difluorobenzene (Surr)	109		70 - 130	05/13/25 08:32	05/13/25 12:54	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	23.0		0.0992		mg/Kg			05/13/25 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	19900		498		mg/Kg			05/15/25 16:57	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8144-23

Date Collected: 05/09/25 08:50

Matrix: Solid

Date Received: 05/09/25 14:48

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	1270		498		mg/Kg		05/14/25 15:15	05/15/25 16:57	10
Diesel Range Organics (Over C10-C28)	18600		498		mg/Kg		05/14/25 15:15	05/15/25 16:57	10
Oil Range Organics (Over C28-C36)	<498	U	498		mg/Kg		05/14/25 15:15	05/15/25 16:57	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/14/25 15:15	05/15/25 16:57	10
o-Terphenyl	247	S1+	70 - 130				05/14/25 15:15	05/15/25 16:57	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	429		9.98		mg/Kg			05/13/25 10:59	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8144-24

Date Collected: 05/09/25 08:55

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/15/25 08:29	05/15/25 13:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/15/25 08:29	05/15/25 13:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/15/25 08:29	05/15/25 13:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/15/25 08:29	05/15/25 13:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/15/25 08:29	05/15/25 13:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/15/25 08:29	05/15/25 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/15/25 08:29	05/15/25 13:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/15/25 08:29	05/15/25 13:30	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			05/15/25 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2100		49.7		mg/Kg			05/13/25 16:38	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	86.6		49.7		mg/Kg		05/12/25 08:02	05/13/25 16:38	1
Diesel Range Organics (Over C10-C28)	2010		49.7		mg/Kg		05/12/25 08:02	05/13/25 16:38	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/12/25 08:02	05/13/25 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/12/25 08:02	05/13/25 16:38	1
o-Terphenyl	146	S1+	70 - 130				05/12/25 08:02	05/13/25 16:38	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8144-24

Date Collected: 05/09/25 08:55

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		49.8		mg/Kg			05/13/25 11:04	5

Client Sample ID: HA - 7

Lab Sample ID: 890-8144-25

Date Collected: 05/09/25 09:00

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/13/25 01:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:18	05/13/25 01:11	1
Ethylbenzene	0.0119		0.00199		mg/Kg		05/12/25 09:18	05/13/25 01:11	1
m-Xylene & p-Xylene	0.0132		0.00398		mg/Kg		05/12/25 09:18	05/13/25 01:11	1
o-Xylene	0.0748		0.00199		mg/Kg		05/12/25 09:18	05/13/25 01:11	1
Xylenes, Total	0.0880		0.00398		mg/Kg		05/12/25 09:18	05/13/25 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				05/12/25 09:18	05/13/25 01:11	1
1,4-Difluorobenzene (Surr)	76		70 - 130				05/12/25 09:18	05/13/25 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0999		0.00398		mg/Kg			05/13/25 01:11	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			05/13/25 16:53	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		05/12/25 08:02	05/13/25 16:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 16:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/12/25 08:02	05/13/25 16:53	1
o-Terphenyl	116		70 - 130				05/12/25 08:02	05/13/25 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		9.94		mg/Kg			05/13/25 11:09	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8144-26

Date Collected: 05/09/25 09:10

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/13/25 01:31	1
Toluene	0.00216		0.00200		mg/Kg		05/12/25 09:18	05/13/25 01:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/13/25 01:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/12/25 09:18	05/13/25 01:31	1
o-Xylene	0.00612		0.00200		mg/Kg		05/12/25 09:18	05/13/25 01:31	1
Xylenes, Total	0.00612		0.00401		mg/Kg		05/12/25 09:18	05/13/25 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/25 09:18	05/13/25 01:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/12/25 09:18	05/13/25 01:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00828		0.00401		mg/Kg			05/13/25 01:31	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			05/13/25 17:08	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		05/12/25 08:02	05/13/25 17:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 17:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 08:02	05/13/25 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/12/25 08:02	05/13/25 17:08	1
o-Terphenyl	115		70 - 130				05/12/25 08:02	05/13/25 17:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		9.90		mg/Kg			05/13/25 11:14	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8144-27

Date Collected: 05/09/25 09:20

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/13/25 01:52	1
Toluene	0.00227		0.00201		mg/Kg		05/12/25 09:18	05/13/25 01:52	1
Ethylbenzene	0.00277		0.00201		mg/Kg		05/12/25 09:18	05/13/25 01:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/13/25 01:52	1
o-Xylene	0.00245		0.00201		mg/Kg		05/12/25 09:18	05/13/25 01:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/13/25 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/12/25 09:18	05/13/25 01:52	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8144-27

Date Collected: 05/09/25 09:20

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	05/12/25 09:18	05/13/25 01:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00749		0.00402		mg/Kg			05/13/25 01:52	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			05/12/25 13:27	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	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 13:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 13:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/12/25 08:04	05/12/25 13:27	1
o-Terphenyl	90		70 - 130				05/12/25 08:04	05/12/25 13:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109	F1	10.1		mg/Kg			05/13/25 13:30	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-28

Date Collected: 05/09/25 09:25

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/13/25 02:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/13/25 02:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/13/25 02:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/12/25 09:18	05/13/25 02:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/13/25 02:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/12/25 09:18	05/13/25 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/12/25 09:18	05/13/25 02:12	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/12/25 09:18	05/13/25 02:12	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			05/13/25 02:12	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			05/12/25 14:14	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-28

Date Collected: 05/09/25 09:25

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 08:04	05/12/25 14:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 14:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/25 08:04	05/12/25 14:14	1
o-Terphenyl	95		70 - 130				05/12/25 08:04	05/12/25 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		10.0		mg/Kg			05/13/25 13:50	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-29

Date Collected: 05/09/25 09:35

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/15/25 08:29	05/15/25 13:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/15/25 08:29	05/15/25 13:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/15/25 08:29	05/15/25 13:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/15/25 08:29	05/15/25 13:50	1
o-Xylene	0.00330		0.00202		mg/Kg		05/15/25 08:29	05/15/25 13:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/15/25 08:29	05/15/25 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/15/25 08:29	05/15/25 13:50	1
1,4-Difluorobenzene (Surr)	89		70 - 130				05/15/25 08:29	05/15/25 13:50	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			05/15/25 13:50	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			05/12/25 14:30	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	<49.8	U	49.8		mg/Kg		05/12/25 08:04	05/12/25 14:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 08:04	05/12/25 14:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 08:04	05/12/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/12/25 08:04	05/12/25 14:30	1
o-Terphenyl	95		70 - 130				05/12/25 08:04	05/12/25 14:30	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-29

Date Collected: 05/09/25 09:35

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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			05/13/25 13:57	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-30

Date Collected: 05/09/25 09:45

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/13/25 02:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/13/25 02:53	1
Ethylbenzene	0.00250		0.00200		mg/Kg		05/12/25 09:18	05/13/25 02:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/25 09:18	05/13/25 02:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/13/25 02:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/25 09:18	05/13/25 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/25 09:18	05/13/25 02:53	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/12/25 09:18	05/13/25 02:53	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			05/13/25 02:53	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			05/12/25 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 14:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 14:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/12/25 08:04	05/12/25 14:46	1
o-Terphenyl	95		70 - 130				05/12/25 08:04	05/12/25 14:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.4		9.96		mg/Kg			05/13/25 14:04	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8144-31

Date Collected: 05/09/25 09:50

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/13/25 04:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/12/25 09:18	05/13/25 04:28	1
Ethylbenzene	0.00859		0.00198		mg/Kg		05/12/25 09:18	05/13/25 04:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/12/25 09:18	05/13/25 04:28	1
o-Xylene	0.00674		0.00198		mg/Kg		05/12/25 09:18	05/13/25 04:28	1
Xylenes, Total	0.00674		0.00396		mg/Kg		05/12/25 09:18	05/13/25 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	05/12/25 09:18	05/13/25 04:28	1
1,4-Difluorobenzene (Surr)	81		70 - 130	05/12/25 09:18	05/13/25 04:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0153		0.00396		mg/Kg			05/13/25 04:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/12/25 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	<49.7	U	49.7		mg/Kg		05/12/25 08:04	05/12/25 15:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/12/25 08:04	05/12/25 15:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/12/25 08:04	05/12/25 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	05/12/25 08:04	05/12/25 15:02	1
o-Terphenyl	92		70 - 130	05/12/25 08:04	05/12/25 15:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		9.98		mg/Kg			05/13/25 14:11	1

Client Sample ID: HA - 9

Lab Sample ID: 890-8144-32

Date Collected: 05/09/25 10:00

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00447		0.00201		mg/Kg		05/12/25 09:18	05/13/25 04:49	1
Toluene	0.0197		0.00201		mg/Kg		05/12/25 09:18	05/13/25 04:49	1
Ethylbenzene	0.00893		0.00201		mg/Kg		05/12/25 09:18	05/13/25 04:49	1
m-Xylene & p-Xylene	0.00878		0.00402		mg/Kg		05/12/25 09:18	05/13/25 04:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/13/25 04:49	1
Xylenes, Total	0.00878		0.00402		mg/Kg		05/12/25 09:18	05/13/25 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	05/12/25 09:18	05/13/25 04:49	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8144-32

Date Collected: 05/09/25 10:00

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88		70 - 130	05/12/25 09:18	05/13/25 04:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0419		0.00402		mg/Kg			05/13/25 04:49	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			05/12/25 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 15:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 15:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/12/25 08:04	05/12/25 15:18	1
o-Terphenyl	95		70 - 130				05/12/25 08:04	05/12/25 15:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	254		10.0		mg/Kg			05/13/25 14:31	1

Client Sample ID: HA - 9

Lab Sample ID: 890-8144-33

Date Collected: 05/09/25 10:10

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/13/25 05:09	1
Toluene	0.00982		0.00201		mg/Kg		05/12/25 09:18	05/13/25 05:09	1
Ethylbenzene	0.00817		0.00201		mg/Kg		05/12/25 09:18	05/13/25 05:09	1
m-Xylene & p-Xylene	0.0167		0.00402		mg/Kg		05/12/25 09:18	05/13/25 05:09	1
o-Xylene	0.00706		0.00201		mg/Kg		05/12/25 09:18	05/13/25 05:09	1
Xylenes, Total	0.0238		0.00402		mg/Kg		05/12/25 09:18	05/13/25 05:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	05/12/25 09:18	05/13/25 05:09	1
1,4-Difluorobenzene (Surr)	123		70 - 130	05/12/25 09:18	05/13/25 05:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0418		0.00402		mg/Kg			05/13/25 05:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/12/25 15:34	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8144-33

Date Collected: 05/09/25 10:10

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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		05/12/25 08:04	05/12/25 15:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 15:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/25 08:04	05/12/25 15:34	1
o-Terphenyl	93		70 - 130				05/12/25 08:04	05/12/25 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		10.1		mg/Kg			05/13/25 14:38	1

Client Sample ID: HA - 10

Lab Sample ID: 890-8144-34

Date Collected: 05/09/25 10:15

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00253		0.00199		mg/Kg		05/12/25 09:18	05/13/25 05:30	1
Toluene	0.00468		0.00199		mg/Kg		05/12/25 09:18	05/13/25 05:30	1
Ethylbenzene	0.0152		0.00199		mg/Kg		05/12/25 09:18	05/13/25 05:30	1
m-Xylene & p-Xylene	0.0124		0.00398		mg/Kg		05/12/25 09:18	05/13/25 05:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:18	05/13/25 05:30	1
Xylenes, Total	0.0124		0.00398		mg/Kg		05/12/25 09:18	05/13/25 05:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/12/25 09:18	05/13/25 05:30	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/12/25 09:18	05/13/25 05:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0348		0.00398		mg/Kg			05/13/25 05:30	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			05/12/25 15:50	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	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 15:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 15:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 15:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/25 08:04	05/12/25 15:50	1
o-Terphenyl	99		70 - 130				05/12/25 08:04	05/12/25 15:50	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 10

Lab Sample ID: 890-8144-34

Date Collected: 05/09/25 10:15

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		10.1		mg/Kg			05/13/25 14:45	1

Client Sample ID: HA - 10

Lab Sample ID: 890-8144-35

Date Collected: 05/09/25 10:20

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00340		0.00199		mg/Kg		05/12/25 09:18	05/13/25 05:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:18	05/13/25 05:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:18	05/13/25 05:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/25 09:18	05/13/25 05:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:18	05/13/25 05:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/25 09:18	05/13/25 05:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				05/12/25 09:18	05/13/25 05:50	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/12/25 09:18	05/13/25 05:50	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			05/13/25 05:50	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			05/12/25 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 16:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 16:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/12/25 08:04	05/12/25 16:06	1
o-Terphenyl	102		70 - 130				05/12/25 08:04	05/12/25 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	236		9.94		mg/Kg			05/13/25 14:51	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 10

Lab Sample ID: 890-8144-36

Date Collected: 05/09/25 10:25

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00378		0.00200		mg/Kg		05/12/25 09:18	05/13/25 06:11	1
Toluene	0.00383		0.00200		mg/Kg		05/12/25 09:18	05/13/25 06:11	1
Ethylbenzene	0.00282		0.00200		mg/Kg		05/12/25 09:18	05/13/25 06:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/25 09:18	05/13/25 06:11	1
o-Xylene	0.00933		0.00200		mg/Kg		05/12/25 09:18	05/13/25 06:11	1
Xylenes, Total	0.00933		0.00399		mg/Kg		05/12/25 09:18	05/13/25 06:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/12/25 09:18	05/13/25 06:11	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/12/25 09:18	05/13/25 06:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0198		0.00399		mg/Kg			05/13/25 06:11	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			05/12/25 16:22	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		05/12/25 08:04	05/12/25 16:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 16:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	05/12/25 08:04	05/12/25 16:22	1
o-Terphenyl	96		70 - 130	05/12/25 08:04	05/12/25 16:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		9.96		mg/Kg			05/13/25 14:58	1

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-37

Date Collected: 05/09/25 10:30

Matrix: Solid

Date Received: 05/09/25 14:48

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		0.00201		mg/Kg		05/12/25 09:18	05/13/25 06:31	1
Toluene	0.00237		0.00201		mg/Kg		05/12/25 09:18	05/13/25 06:31	1
Ethylbenzene	0.00425		0.00201		mg/Kg		05/12/25 09:18	05/13/25 06:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/13/25 06:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:18	05/13/25 06:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/25 09:18	05/13/25 06:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/12/25 09:18	05/13/25 06:31	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-37

Date Collected: 05/09/25 10:30

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	126		70 - 130	05/12/25 09:18	05/13/25 06:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00863		0.00402		mg/Kg			05/13/25 06:31	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			05/12/25 16:53	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		05/12/25 08:04	05/12/25 16:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 16:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/12/25 08:04	05/12/25 16:53	1
o-Terphenyl	95		70 - 130				05/12/25 08:04	05/12/25 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		9.98		mg/Kg			05/13/25 15:05	1

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-38

Date Collected: 05/09/25 10:35

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00273		0.00202		mg/Kg		05/12/25 09:18	05/13/25 06:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:18	05/13/25 06:52	1
Ethylbenzene	0.00387		0.00202		mg/Kg		05/12/25 09:18	05/13/25 06:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/12/25 09:18	05/13/25 06:52	1
o-Xylene	0.00319		0.00202		mg/Kg		05/12/25 09:18	05/13/25 06:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/12/25 09:18	05/13/25 06:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/12/25 09:18	05/13/25 06:52	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/12/25 09:18	05/13/25 06:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00979		0.00404		mg/Kg			05/13/25 06:52	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			05/12/25 17:09	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-38

Date Collected: 05/09/25 10:35

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 08:04	05/12/25 17:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 08:04	05/12/25 17:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 08:04	05/12/25 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/12/25 08:04	05/12/25 17:09	1
o-Terphenyl	97		70 - 130				05/12/25 08:04	05/12/25 17:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		9.92		mg/Kg			05/13/25 15:25	1

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-39

Date Collected: 05/09/25 10:40

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/13/25 07:12	1
Toluene	0.00293		0.00199		mg/Kg		05/12/25 09:18	05/13/25 07:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:18	05/13/25 07:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/25 09:18	05/13/25 07:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:18	05/13/25 07:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/25 09:18	05/13/25 07:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				05/12/25 09:18	05/13/25 07:12	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/12/25 09:18	05/13/25 07:12	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			05/13/25 07:12	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			05/12/25 17:25	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		05/12/25 08:04	05/12/25 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 17:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/12/25 08:04	05/12/25 17:25	1
o-Terphenyl	93		70 - 130				05/12/25 08:04	05/12/25 17:25	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-39

Date Collected: 05/09/25 10:40

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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			05/13/25 15:32	1

Client Sample ID: HA - 12

Lab Sample ID: 890-8144-40

Date Collected: 05/09/25 10:45

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:18	05/13/25 07:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/13/25 07:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/13/25 07:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/25 09:18	05/13/25 07:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/13/25 07:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/25 09:18	05/13/25 07:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/12/25 09:18	05/13/25 07:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/12/25 09:18	05/13/25 07:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/13/25 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	<49.9	U	49.9		mg/Kg			05/12/25 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 17:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 17:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/12/25 08:04	05/12/25 17:42	1
o-Terphenyl	99		70 - 130				05/12/25 08:04	05/12/25 17:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.7		10.1		mg/Kg			05/13/25 15:53	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 12

Lab Sample ID: 890-8144-41

Date Collected: 05/09/25 10:50

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00228		0.00201		mg/Kg		05/12/25 09:27	05/13/25 03:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:27	05/13/25 03:45	1
Ethylbenzene	0.00232		0.00201		mg/Kg		05/12/25 09:27	05/13/25 03:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/25 09:27	05/13/25 03:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:27	05/13/25 03:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/25 09:27	05/13/25 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/12/25 09:27	05/13/25 03:45	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	05/12/25 09:27	05/13/25 03:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00460		0.00402		mg/Kg			05/13/25 03:45	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			05/12/25 17:58	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	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 17:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/12/25 08:04	05/12/25 17:58	1
o-Terphenyl	92		70 - 130	05/12/25 08:04	05/12/25 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		9.94		mg/Kg			05/13/25 15:59	1

Client Sample ID: HA - 12

Lab Sample ID: 890-8144-42

Date Collected: 05/09/25 10:55

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00483		0.00201		mg/Kg		05/12/25 09:27	05/13/25 04:06	1
Toluene	0.00224		0.00201		mg/Kg		05/12/25 09:27	05/13/25 04:06	1
Ethylbenzene	0.00549		0.00201		mg/Kg		05/12/25 09:27	05/13/25 04:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/25 09:27	05/13/25 04:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:27	05/13/25 04:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/25 09:27	05/13/25 04:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/12/25 09:27	05/13/25 04:06	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 12

Lab Sample ID: 890-8144-42

Date Collected: 05/09/25 10:55

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	05/12/25 09:27	05/13/25 04:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0126		0.00402		mg/Kg			05/13/25 04:06	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			05/12/25 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/12/25 08:04	05/12/25 18:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/12/25 08:04	05/12/25 18:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/12/25 08:04	05/12/25 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/12/25 08:04	05/12/25 18:14	1
o-Terphenyl	95		70 - 130				05/12/25 08:04	05/12/25 18:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		9.90		mg/Kg			05/13/25 16:06	1

Client Sample ID: HA - 13

Lab Sample ID: 890-8144-43

Date Collected: 05/09/25 11:00

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:27	05/13/25 04:26	1
Toluene	0.00243		0.00199		mg/Kg		05/12/25 09:27	05/13/25 04:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:27	05/13/25 04:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/25 09:27	05/13/25 04:26	1
o-Xylene	0.00371		0.00199		mg/Kg		05/12/25 09:27	05/13/25 04:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/25 09:27	05/13/25 04:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/12/25 09:27	05/13/25 04:26	1
1,4-Difluorobenzene (Surr)	70		70 - 130	05/12/25 09:27	05/13/25 04:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00614		0.00398		mg/Kg			05/13/25 04:26	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			05/12/25 18:30	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 13

Lab Sample ID: 890-8144-43

Date Collected: 05/09/25 11:00

Matrix: Solid

Date Received: 05/09/25 14:48

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	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 18:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 18:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/12/25 08:04	05/12/25 18:30	1
o-Terphenyl	93		70 - 130				05/12/25 08:04	05/12/25 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.7		9.90		mg/Kg			05/13/25 16:13	1

Client Sample ID: HA - 13

Lab Sample ID: 890-8144-44

Date Collected: 05/09/25 11:05

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:27	05/13/25 04:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:27	05/13/25 04:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:27	05/13/25 04:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/25 09:27	05/13/25 04:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/25 09:27	05/13/25 04:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/25 09:27	05/13/25 04:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				05/12/25 09:27	05/13/25 04:47	1
1,4-Difluorobenzene (Surr)	72		70 - 130				05/12/25 09:27	05/13/25 04:47	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			05/13/25 04:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/12/25 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/25 08:04	05/12/25 18:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/25 08:04	05/12/25 18:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/25 08:04	05/12/25 18:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				05/12/25 08:04	05/12/25 18:47	1
o-Terphenyl	95		70 - 130				05/12/25 08:04	05/12/25 18:47	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 13

Lab Sample ID: 890-8144-44

Date Collected: 05/09/25 11:05

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	277		10.0		mg/Kg			05/13/25 16:20	1

Client Sample ID: HA - 13

Lab Sample ID: 890-8144-45

Date Collected: 05/09/25 11:10

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:27	05/13/25 05:08	1
Toluene	0.00948		0.00200		mg/Kg		05/12/25 09:27	05/13/25 05:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:27	05/13/25 05:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/25 09:27	05/13/25 05:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:27	05/13/25 05:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/25 09:27	05/13/25 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				05/12/25 09:27	05/13/25 05:08	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				05/12/25 09:27	05/13/25 05:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00948		0.00399		mg/Kg			05/13/25 05:08	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			05/12/25 19:03	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	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				05/12/25 08:04	05/12/25 19:03	1
o-Terphenyl	89		70 - 130				05/12/25 08:04	05/12/25 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.8		9.96		mg/Kg			05/13/25 16:27	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 14

Lab Sample ID: 890-8144-46

Date Collected: 05/09/25 11:15

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:27	05/13/25 05:28	1
Toluene	0.00470		0.00201		mg/Kg		05/12/25 09:27	05/13/25 05:28	1
Ethylbenzene	0.00371		0.00201		mg/Kg		05/12/25 09:27	05/13/25 05:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/25 09:27	05/13/25 05:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/25 09:27	05/13/25 05:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/25 09:27	05/13/25 05:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				05/12/25 09:27	05/13/25 05:28	1
1,4-Difluorobenzene (Surr)	71		70 - 130				05/12/25 09:27	05/13/25 05:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00841		0.00402		mg/Kg			05/13/25 05:28	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			05/12/25 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 19:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 19:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/25 08:04	05/12/25 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				05/12/25 08:04	05/12/25 19:19	1
o-Terphenyl	95		70 - 130				05/12/25 08:04	05/12/25 19:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		10.1		mg/Kg			05/13/25 16:33	1

Client Sample ID: HA - 14

Lab Sample ID: 890-8144-47

Date Collected: 05/09/25 11:20

Matrix: Solid

Date Received: 05/09/25 14:48

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		05/12/25 09:27	05/13/25 05:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/25 09:27	05/13/25 05:49	1
Ethylbenzene	0.00257		0.00202		mg/Kg		05/12/25 09:27	05/13/25 05:49	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/12/25 09:27	05/13/25 05:49	1
o-Xylene	0.00203		0.00202		mg/Kg		05/12/25 09:27	05/13/25 05:49	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/12/25 09:27	05/13/25 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				05/12/25 09:27	05/13/25 05:49	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 14

Lab Sample ID: 890-8144-47

Date Collected: 05/09/25 11:20

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130	05/12/25 09:27	05/13/25 05:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00460		0.00404		mg/Kg			05/13/25 05:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/13/25 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	50.1		mg/Kg		05/12/25 11:04	05/13/25 15:44	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/12/25 11:04	05/13/25 15:44	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/12/25 11:04	05/13/25 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/12/25 11:04	05/13/25 15:44	1
o-Terphenyl	84		70 - 130				05/12/25 11:04	05/13/25 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		10.1		mg/Kg			05/13/25 13:24	1

Client Sample ID: HA - 14

Lab Sample ID: 890-8144-48

Date Collected: 05/09/25 11:25

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00481		0.00199		mg/Kg		05/12/25 09:27	05/13/25 06:09	1
Toluene	0.00276		0.00199		mg/Kg		05/12/25 09:27	05/13/25 06:09	1
Ethylbenzene	0.00210		0.00199		mg/Kg		05/12/25 09:27	05/13/25 06:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/25 09:27	05/13/25 06:09	1
o-Xylene	0.00243		0.00199		mg/Kg		05/12/25 09:27	05/13/25 06:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/25 09:27	05/13/25 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/12/25 09:27	05/13/25 06:09	1
1,4-Difluorobenzene (Surr)	76		70 - 130	05/12/25 09:27	05/13/25 06:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0121		0.00398		mg/Kg			05/13/25 06:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/25 01:17	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 14

Lab Sample ID: 890-8144-48

Date Collected: 05/09/25 11:25

Matrix: Solid

Date Received: 05/09/25 14:48

Sample Depth: 4

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		05/13/25 14:52	05/15/25 01:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/13/25 14:52	05/15/25 01:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/13/25 14:52	05/15/25 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/13/25 14:52	05/15/25 01:17	1
o-Terphenyl	123		70 - 130				05/13/25 14:52	05/15/25 01:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.5		10.1		mg/Kg			05/13/25 13:29	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-8144-1	HA - 1	339 S1+	81
890-8144-1 MS	HA - 1	593 S1+	100
890-8144-1 MSD	HA - 1	195 S1+	65 S1-
890-8144-2	HA - 1	64 S1-	75
890-8144-3	HA - 2	283 S1+	76
890-8144-4	HA - 2	80	64 S1-
890-8144-5	HA - 2	101	52 S1-
890-8144-6	HA - 2	119	75
890-8144-7	HA - 2	100	77
890-8144-8	HA - 3	769 S1+	85
890-8144-9	HA - 3	590 S1+	76
890-8144-10	HA - 3	77	73
890-8144-11	HA - 3	106	59 S1-
890-8144-12	HA - 3	110	76
890-8144-13	HA - 4	2694 S1+	73
890-8144-14	HA - 4	4201 S1+	92
890-8144-15	HA - 4	390 S1+	108
890-8144-16	HA - 4	119	66 S1-
890-8144-17	HA - 4	99	54 S1-
890-8144-18	HA - 5	100	62 S1-
890-8144-19	HA - 5	88	60 S1-
890-8144-20	HA - 5	96	60 S1-
890-8144-21	HA - 5	95	112
890-8144-21 MS	HA - 5	98	107
890-8144-21 MSD	HA - 5	100	113
890-8144-22	HA - 5	101	106
890-8144-23	HA - 6	816 S1+	109
890-8144-24	HA - 6	93	97
890-8144-25	HA - 7	77	76
890-8144-26	HA - 7	99	97
890-8144-27	HA - 7	104	100
890-8144-28	HA - 8	95	109
890-8144-29	HA - 8	89	89
890-8144-30	HA - 8	107	103
890-8144-31	HA - 9	82	81
890-8144-32	HA - 9	92	88
890-8144-33	HA - 9	122	123
890-8144-34	HA - 10	89	96
890-8144-35	HA - 10	85	103
890-8144-36	HA - 10	94	106
890-8144-37	HA - 11	100	126
890-8144-38	HA - 11	106	95
890-8144-39	HA - 11	112	105
890-8144-40	HA - 12	95	92
890-8144-41	HA - 12	90	69 S1-
890-8144-42	HA - 12	93	63 S1-
890-8144-43	HA - 13	98	70
890-8144-44	HA - 13	87	72
890-8144-45	HA - 13	88	67 S1-

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8144-46	HA - 14	90	71
890-8144-47	HA - 14	78	64 S1-
890-8144-48	HA - 14	99	76
LCS 880-109924/1-A	Lab Control Sample	92	99
LCS 880-109925/1-A	Lab Control Sample	94	104
LCS 880-109926/1-A	Lab Control Sample	120	94
LCS 880-109976/1-A	Lab Control Sample	106	105
LCS 880-110006/1-A	Lab Control Sample	78	80
LCS 880-110097/1-A	Lab Control Sample	105	97
LCS 880-110188/1-A	Lab Control Sample	108	89
LCSD 880-109924/2-A	Lab Control Sample Dup	81	89
LCSD 880-109925/2-A	Lab Control Sample Dup	92	104
LCSD 880-109926/2-A	Lab Control Sample Dup	96	88
LCSD 880-109976/2-A	Lab Control Sample Dup	96	106
LCSD 880-110006/2-A	Lab Control Sample Dup	77	83
LCSD 880-110097/2-A	Lab Control Sample Dup	95	86
LCSD 880-110188/2-A	Lab Control Sample Dup	111	101
MB 880-109838/5-A	Method Blank	93	94
MB 880-109924/5-A	Method Blank	94	68 S1-
MB 880-109925/5-A	Method Blank	101	103
MB 880-109926/5-A	Method Blank	100	66 S1-
MB 880-109976/5-A	Method Blank	102	98
MB 880-110006/5-A	Method Blank	53 S1-	88
MB 880-110097/5-A	Method Blank	88	94
MB 880-110188/5-A	Method Blank	90	98

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)
890-8144-1	HA - 1	126	168 S1+
890-8144-2	HA - 1	109	122
890-8144-3	HA - 2	140 S1+	188 S1+
890-8144-4	HA - 2	109	121
890-8144-5	HA - 2	108	115
890-8144-6	HA - 2	116	126
890-8144-7	HA - 2	134 S1+	134 S1+
890-8144-7 MS	HA - 2	145 S1+	130
890-8144-7 MSD	HA - 2	142 S1+	131 S1+
890-8144-8	HA - 3	246 S1+	269 S1+
890-8144-9	HA - 3	156 S1+	173 S1+
890-8144-10	HA - 3	126	126
890-8144-11	HA - 3	125	123
890-8144-12	HA - 3	130	127
890-8144-13	HA - 4	206 S1+	238 S1+

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8144-14	HA - 4	236 S1+	242 S1+
890-8144-15	HA - 4	212 S1+	232 S1+
890-8144-16	HA - 4	138 S1+	134 S1+
890-8144-17	HA - 4	119	117
890-8144-18	HA - 5	111	110
890-8144-19	HA - 5	112	109
890-8144-20	HA - 5	120	118
890-8144-21	HA - 5	123	119
890-8144-22	HA - 5	117	114
890-8144-23	HA - 6	108	247 S1+
890-8144-24	HA - 6	117	146 S1+
890-8144-25	HA - 7	119	116
890-8144-26	HA - 7	120	115
890-8144-27	HA - 7	90	90
890-8144-27 MS	HA - 7	83	88
890-8144-27 MSD	HA - 7	83	88
890-8144-28	HA - 8	96	95
890-8144-29	HA - 8	98	95
890-8144-30	HA - 8	97	95
890-8144-31	HA - 9	94	92
890-8144-32	HA - 9	98	95
890-8144-33	HA - 9	96	93
890-8144-34	HA - 10	102	99
890-8144-35	HA - 10	104	102
890-8144-36	HA - 10	100	96
890-8144-37	HA - 11	97	95
890-8144-38	HA - 11	101	97
890-8144-39	HA - 11	98	93
890-8144-40	HA - 12	104	99
890-8144-41	HA - 12	96	92
890-8144-42	HA - 12	101	95
890-8144-43	HA - 13	98	93
890-8144-44	HA - 13	100	95
890-8144-45	HA - 13	94	89
890-8144-46	HA - 14	100	95
890-8144-47	HA - 14	86	84
890-8144-47 MS	HA - 14	103	94
890-8144-47 MSD	HA - 14	90	94
890-8144-48	HA - 14	121	123
890-8144-48 MS	HA - 14	132 S1+	131 S1+
890-8144-48 MSD	HA - 14	114	117
LCS 880-109910/2-A	Lab Control Sample	104	104
LCS 880-109911/2-A	Lab Control Sample	90	77
LCS 880-109912/2-A	Lab Control Sample	103	107
LCS 880-109952/2-A	Lab Control Sample	114	102
LCS 880-110069/2-A	Lab Control Sample	93	85
LCS 880-110147/2-A	Lab Control Sample	82	78
LCSD 880-109910/3-A	Lab Control Sample Dup	89	90
LCSD 880-109911/3-A	Lab Control Sample Dup	96	81
LCSD 880-109912/3-A	Lab Control Sample Dup	104	106

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea 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)
LCSD 880-109952/3-A	Lab Control Sample Dup	112	101
LCSD 880-110069/3-A	Lab Control Sample Dup	94	91
LCSD 880-110147/3-A	Lab Control Sample Dup	81	77
MB 880-109910/1-A	Method Blank	91	90
MB 880-109911/1-A	Method Blank	94	85
MB 880-109912/1-A	Method Blank	73	70
MB 880-109952/1-A	Method Blank	97	92
MB 880-110069/1-A	Method Blank	135 S1+	138 S1+
MB 880-110147/1-A	Method Blank	77	79
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-109838/5-A

Matrix: Solid

Analysis Batch: 109916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/25 13:07	05/12/25 11:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/25 13:07	05/12/25 11:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/09/25 13:07	05/12/25 11:29	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/09/25 13:07	05/12/25 11:29	1

Lab Sample ID: MB 880-109924/5-A

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/25 09:18	05/12/25 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/25 09:18	05/12/25 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/12/25 09:18	05/12/25 11:26	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	05/12/25 09:18	05/12/25 11:26	1

Lab Sample ID: LCS 880-109924/1-A

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09164		mg/Kg		92	70 - 130
Toluene	0.100	0.1070		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.1855		mg/Kg		93	70 - 130
o-Xylene	0.100	0.1119		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-109924/2-A

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109924

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08852		mg/Kg		89	70 - 130	3	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-109924/2-A

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109924

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09285		mg/Kg		93	70 - 130	14	35
Ethylbenzene	0.100	0.09220		mg/Kg		92	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.1538		mg/Kg		77	70 - 130	19	35
o-Xylene	0.100	0.08652		mg/Kg		87	70 - 130	26	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-8144-1 MS

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: HA - 1

Prep Type: Total/NA

Prep Batch: 109924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00951	F1 F2	0.0992	0.08132		mg/Kg		72	70 - 130
Toluene	0.103	F1 F2	0.0992	0.1697	F1	mg/Kg		68	70 - 130
Ethylbenzene	0.0801	F1 F2	0.0992	0.1750		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.223	F1 F2	0.198	0.3762		mg/Kg		77	70 - 130
o-Xylene	0.297	F1 F2	0.0992	0.4474	E F1	mg/Kg		152	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	593	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-8144-1 MSD

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: HA - 1

Prep Type: Total/NA

Prep Batch: 109924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00951	F1 F2	0.100	0.05270	F1 F2	mg/Kg		43	70 - 130	43	35
Toluene	0.103	F1 F2	0.100	0.09155	F1 F2	mg/Kg		-11	70 - 130	60	35
Ethylbenzene	0.0801	F1 F2	0.100	0.07886	F1 F2	mg/Kg		-1	70 - 130	76	35
m-Xylene & p-Xylene	0.223	F1 F2	0.200	0.1643	F1 F2	mg/Kg		-29	70 - 130	78	35
o-Xylene	0.297	F1 F2	0.100	0.1860	F1 F2	mg/Kg		-110	70 - 130	83	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130

Lab Sample ID: MB 880-109925/5-A

Matrix: Solid

Analysis Batch: 109916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 23:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 23:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 23:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/25 09:18	05/12/25 23:27	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-109925/5-A

Matrix: Solid

Analysis Batch: 109916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:18	05/12/25 23:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/25 09:18	05/12/25 23:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/12/25 09:18	05/12/25 23:27	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/12/25 09:18	05/12/25 23:27	1

Lab Sample ID: LCS 880-109925/1-A

Matrix: Solid

Analysis Batch: 109916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1124		mg/Kg		112	70 - 130
Toluene	0.100	0.09343		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09290		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1761		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08848		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-109925/2-A

Matrix: Solid

Analysis Batch: 109916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1123		mg/Kg		112	70 - 130	0	35
Toluene	0.100	0.09781		mg/Kg		98	70 - 130	5	35
Ethylbenzene	0.100	0.09836		mg/Kg		98	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1938		mg/Kg		97	70 - 130	10	35
o-Xylene	0.100	0.09405		mg/Kg		94	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-8144-21 MS

Matrix: Solid

Analysis Batch: 109916

Client Sample ID: HA - 5

Prep Type: Total/NA

Prep Batch: 109925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.1016		mg/Kg		102	70 - 130
Toluene	<0.00202	U	0.100	0.08855		mg/Kg		89	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.09551		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1847		mg/Kg		92	70 - 130
o-Xylene	0.00219		0.100	0.09052		mg/Kg		88	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8144-21 MS

Matrix: Solid

Analysis Batch: 109916

Client Sample ID: HA - 5

Prep Type: Total/NA

Prep Batch: 109925

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-8144-21 MSD

Matrix: Solid

Analysis Batch: 109916

Client Sample ID: HA - 5

Prep Type: Total/NA

Prep Batch: 109925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.1114		mg/Kg		111	70 - 130	9	35
Toluene	<0.00202	U	0.100	0.08929		mg/Kg		89	70 - 130	1	35
Ethylbenzene	<0.00202	U	0.100	0.09707		mg/Kg		96	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1828		mg/Kg		91	70 - 130	1	35
o-Xylene	0.00219		0.100	0.09049		mg/Kg		88	70 - 130	0	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: MB 880-109926/5-A

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:27	05/12/25 22:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:27	05/12/25 22:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:27	05/12/25 22:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/25 09:27	05/12/25 22:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/25 09:27	05/12/25 22:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/25 09:27	05/12/25 22:24	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	100		70 - 130	05/12/25 09:27	05/12/25 22:24	1			
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	05/12/25 09:27	05/12/25 22:24	1			

Lab Sample ID: LCS 880-109926/1-A

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09376		mg/Kg		94	70 - 130
Toluene	0.100	0.1268		mg/Kg		127	70 - 130
Ethylbenzene	0.100	0.1242		mg/Kg		124	70 - 130
m-Xylene & p-Xylene	0.200	0.2196		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1299		mg/Kg		130	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-109926/1-A

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109926

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

Lab Sample ID: LCSD 880-109926/2-A

Matrix: Solid

Analysis Batch: 109915

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09744		mg/Kg		97	70 - 130	4	35
Toluene	0.100	0.1079		mg/Kg		108	70 - 130	16	35
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1824		mg/Kg		91	70 - 130	19	35
o-Xylene	0.100	0.1071		mg/Kg		107	70 - 130	19	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: MB 880-109976/5-A

Matrix: Solid

Analysis Batch: 109991

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/25 12:32	05/12/25 19:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/25 12:32	05/12/25 19:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/25 12:32	05/12/25 19:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/25 12:32	05/12/25 19:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/25 12:32	05/12/25 19:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/25 12:32	05/12/25 19:08	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		70 - 130				05/12/25 12:32	05/12/25 19:08	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/12/25 12:32	05/12/25 19:08	1

Lab Sample ID: LCS 880-109976/1-A

Matrix: Solid

Analysis Batch: 109991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08301		mg/Kg		83	70 - 130
Toluene	0.100	0.08907		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09328		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1866		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09385		mg/Kg		94	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-109976/2-A

Matrix: Solid

Analysis Batch: 109991

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109976

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Benzene	0.100	0.08491		mg/Kg		85	70 - 130	2		35
Toluene	0.100	0.08924		mg/Kg		89	70 - 130	0		35
Ethylbenzene	0.100	0.09171		mg/Kg		92	70 - 130	2		35
m-Xylene & p-Xylene	0.200	0.1797		mg/Kg		90	70 - 130	4		35
o-Xylene	0.100	0.09048		mg/Kg		90	70 - 130	4		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-110006/5-A

Matrix: Solid

Analysis Batch: 109990

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110006

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/25 08:32	05/13/25 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/25 08:32	05/13/25 10:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/25 08:32	05/13/25 10:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/25 08:32	05/13/25 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/25 08:32	05/13/25 10:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/25 08:32	05/13/25 10:51	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	53	S1-	70 - 130	05/13/25 08:32	05/13/25 10:51	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/13/25 08:32	05/13/25 10:51	1

Lab Sample ID: LCS 880-110006/1-A

Matrix: Solid

Analysis Batch: 109990

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Benzene	0.100	0.08799		mg/Kg		88	70 - 130	
Toluene	0.100	0.07979		mg/Kg		80	70 - 130	
Ethylbenzene	0.100	0.08052		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	0.200	0.1501		mg/Kg		75	70 - 130	
o-Xylene	0.100	0.07715		mg/Kg		77	70 - 130	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	78		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: LCSD 880-110006/2-A

Matrix: Solid

Analysis Batch: 109990

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Benzene	0.100	0.09392		mg/Kg		94	70 - 130	7		35
Toluene	0.100	0.07755		mg/Kg		78	70 - 130	3		35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-110006/2-A

Matrix: Solid

Analysis Batch: 109990

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	0.100	0.07231		mg/Kg		72	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1358	*-	mg/Kg		68	70 - 130	10	35
o-Xylene	0.100	0.07054		mg/Kg		71	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	77		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: MB 880-110097/5-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:43	05/14/25 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/25 08:43	05/14/25 11:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/25 08:43	05/14/25 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/14/25 08:43	05/14/25 11:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/14/25 08:43	05/14/25 11:10	1

Lab Sample ID: LCS 880-110097/1-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08382		mg/Kg		84	70 - 130
Toluene	0.100	0.08415		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.09934		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1874		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09126		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-110097/2-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110097

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07108		mg/Kg		71	70 - 130	16	35
Toluene	0.100	0.07363		mg/Kg		74	70 - 130	13	35
Ethylbenzene	0.100	0.09242		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1685		mg/Kg		84	70 - 130	11	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-110097/2-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110097

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	0.100	0.08147		mg/Kg		81	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: MB 880-110188/5-A

Matrix: Solid

Analysis Batch: 110185

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:29	05/15/25 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:29	05/15/25 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:29	05/15/25 11:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/15/25 08:29	05/15/25 11:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/25 08:29	05/15/25 11:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/25 08:29	05/15/25 11:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/15/25 08:29	05/15/25 11:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/15/25 08:29	05/15/25 11:05	1

Lab Sample ID: LCS 880-110188/1-A

Matrix: Solid

Analysis Batch: 110185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07612		mg/Kg		76	70 - 130
Toluene	0.100	0.08219		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.09630		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1793		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08678		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-110188/2-A

Matrix: Solid

Analysis Batch: 110185

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110188

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09033		mg/Kg		90	70 - 130	17	35
Toluene	0.100	0.08533		mg/Kg		85	70 - 130	4	35
Ethylbenzene	0.100	0.08961		mg/Kg		90	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1713		mg/Kg		86	70 - 130	5	35
o-Xylene	0.100	0.09693		mg/Kg		97	70 - 130	11	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-110188/2-A

Matrix: Solid

Analysis Batch: 110185

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110188

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-109910/1-A

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109910

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/25 07:59	05/13/25 09:25	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 07:59	05/13/25 09:25	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 07:59	05/13/25 09:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	91		70 - 130				05/12/25 07:59	05/13/25 09:25	1	
o-Terphenyl	90		70 - 130				05/12/25 07:59	05/13/25 09:25	1	

Lab Sample ID: LCS 880-109910/2-A

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109910

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	900.8		mg/Kg		90		70 - 130		
Diesel Range Organics (Over C10-C28)	1000	952.3		mg/Kg		95		70 - 130		
Surrogate		%Recovery	Qualifier	Limits						
1-Chlorooctane		104		70 - 130						
o-Terphenyl		104		70 - 130						

Lab Sample ID: LCSD 880-109910/3-A

Matrix: Solid

Analysis Batch: 110022

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109910

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	766.7		mg/Kg		77		70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	813.3		mg/Kg		81		70 - 130	16	20
Surrogate		%Recovery	Qualifier	Limits						
1-Chlorooctane		89		70 - 130						
o-Terphenyl		90		70 - 130						

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-109911/1-A

Matrix: Solid

Analysis Batch: 110024

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109911

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		05/12/25 08:02	05/13/25 09:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 09:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:02	05/13/25 09:25	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				05/12/25 08:02	05/13/25 09:25	1
o-Terphenyl	85		70 - 130				05/12/25 08:02	05/13/25 09:25	1

Lab Sample ID: LCS 880-109911/2-A

Matrix: Solid

Analysis Batch: 110024

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1058		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1127		mg/Kg		113	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	90		70 - 130				
o-Terphenyl	77		70 - 130				

Lab Sample ID: LCSD 880-109911/3-A

Matrix: Solid

Analysis Batch: 110024

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109911

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1136		mg/Kg		114	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1202		mg/Kg		120	70 - 130	6	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	96		70 - 130						
o-Terphenyl	81		70 - 130						

Lab Sample ID: 890-8144-7 MS

Matrix: Solid

Analysis Batch: 110024

Client Sample ID: HA - 2

Prep Type: Total/NA

Prep Batch: 109911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	982.7		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	995	959.8		mg/Kg		96	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8144-7 MS

Matrix: Solid

Analysis Batch: 110024

Client Sample ID: HA - 2

Prep Type: Total/NA

Prep Batch: 109911

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	145	S1+	70 - 130
o-Terphenyl	130		70 - 130

Lab Sample ID: 890-8144-7 MSD

Matrix: Solid

Analysis Batch: 110024

Client Sample ID: HA - 2

Prep Type: Total/NA

Prep Batch: 109911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	1069		mg/Kg		106	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	1014		mg/Kg		102	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	142	S1+	70 - 130								
o-Terphenyl	131	S1+	70 - 130								

Lab Sample ID: MB 880-109912/1-A

Matrix: Solid

Analysis Batch: 109980

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109912

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		05/12/25 08:04	05/12/25 10:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 10:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 08:04	05/12/25 10:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				05/12/25 08:04	05/12/25 10:27	1
o-Terphenyl	70		70 - 130				05/12/25 08:04	05/12/25 10:27	1

Lab Sample ID: LCS 880-109912/2-A

Matrix: Solid

Analysis Batch: 109980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	864.7		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	904.3		mg/Kg		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	103		70 - 130				
o-Terphenyl	107		70 - 130				

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-109912/3-A

Matrix: Solid

Analysis Batch: 109980

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109912

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	856.8		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	909.4		mg/Kg		91	70 - 130	1	20
		LCSD %Recovery	LCSD Qualifier						
Surrogate				Limits					
1-Chlorooctane		104		70 - 130					
o-Terphenyl		106		70 - 130					

Lab Sample ID: 890-8144-27 MS

Matrix: Solid

Analysis Batch: 109980

Client Sample ID: HA - 7

Prep Type: Total/NA

Prep Batch: 109912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	818.3		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	996	838.5		mg/Kg		84	70 - 130		
		MS %Recovery	MS Qualifier								
Surrogate				Limits							
1-Chlorooctane		83		70 - 130							
o-Terphenyl		88		70 - 130							

Lab Sample ID: 890-8144-27 MSD

Matrix: Solid

Analysis Batch: 109980

Client Sample ID: HA - 7

Prep Type: Total/NA

Prep Batch: 109912

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	815.6		mg/Kg		80	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	834.4		mg/Kg		84	70 - 130	0	20
		MSD %Recovery	MSD Qualifier								
Surrogate				Limits							
1-Chlorooctane		83		70 - 130							
o-Terphenyl		88		70 - 130							

Lab Sample ID: MB 880-109952/1-A

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109952

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		05/12/25 11:04	05/13/25 04:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/25 11:04	05/13/25 04:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/25 11:04	05/13/25 04:27	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-109952/1-A

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109952

Surrogate	MB MB		Limits	Prepared		Dil Fac
	%Recovery	Qualifier			Analyzed	
1-Chlorooctane	97		70 - 130	05/12/25 11:04	05/13/25 04:27	1
o-Terphenyl	92		70 - 130	05/12/25 11:04	05/13/25 04:27	1

Lab Sample ID: LCS 880-109952/2-A

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109952

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	845.2		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	815.4		mg/Kg		82	70 - 130	
Surrogate	LCS LCS		Limits					
	%Recovery	Qualifier						
1-Chlorooctane	114		70 - 130					
o-Terphenyl	102		70 - 130					

Lab Sample ID: LCSD 880-109952/3-A

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109952

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	
		Result	Qualifier				Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	804.1		mg/Kg		80	70 - 130		5	20
Diesel Range Organics (Over C10-C28)	1000	795.7		mg/Kg		80	70 - 130		2	20
Surrogate	LCSD LCSD		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	112		70 - 130							
o-Terphenyl	101		70 - 130							

Lab Sample ID: 890-8144-47 MS

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: HA - 14

Prep Type: Total/NA

Prep Batch: 109952

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	998	696.2		mg/Kg		70	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.1	U	998	718.1		mg/Kg		72	70 - 130	
Surrogate	MS MS		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	103		70 - 130							
o-Terphenyl	94		70 - 130							

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8144-47 MSD

Matrix: Solid

Analysis Batch: 110067

Client Sample ID: HA - 14

Prep Type: Total/NA

Prep Batch: 109952

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F1	998	691.1	F1	mg/Kg		69	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U	998	763.7		mg/Kg		77	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	94		70 - 130								

Lab Sample ID: MB 880-110069/1-A

Matrix: Solid

Analysis Batch: 110094

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110069

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		05/13/25 14:52	05/15/25 00:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/13/25 14:52	05/15/25 00:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/13/25 14:52	05/15/25 00:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				05/13/25 14:52	05/15/25 00:33	1
o-Terphenyl	138	S1+	70 - 130				05/13/25 14:52	05/15/25 00:33	1

Lab Sample ID: LCS 880-110069/2-A

Matrix: Solid

Analysis Batch: 110094

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1146		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1145		mg/Kg		114	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	85		70 - 130						

Lab Sample ID: LCSD 880-110069/3-A

Matrix: Solid

Analysis Batch: 110094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110069

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1165		mg/Kg		117	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1186		mg/Kg		119	70 - 130	3	20

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-110069/3-A

Matrix: Solid

Analysis Batch: 110094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110069

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 890-8144-48 MS

Matrix: Solid

Analysis Batch: 110094

Client Sample ID: HA - 14

Prep Type: Total/NA

Prep Batch: 110069

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	988.3		mg/Kg		99	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	899.5		mg/Kg		90	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	132	S1+	70 - 130							
o-Terphenyl	131	S1+	70 - 130							

Lab Sample ID: 890-8144-48 MSD

Matrix: Solid

Analysis Batch: 110094

Client Sample ID: HA - 14

Prep Type: Total/NA

Prep Batch: 110069

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	856.0		mg/Kg		86	70 - 130	14	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	781.1		mg/Kg		78	70 - 130	14	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	114		70 - 130									
o-Terphenyl	117		70 - 130									

Lab Sample ID: MB 880-110147/1-A

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110147

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/25 15:14	05/15/25 07:47	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/25 15:14	05/15/25 07:47	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/25 15:14	05/15/25 07:47	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	77		70 - 130				05/14/25 15:14	05/15/25 07:47	1		
o-Terphenyl	79		70 - 130				05/14/25 15:14	05/15/25 07:47	1		

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-110147/2-A

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1052		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	977.5		mg/Kg		98	70 - 130
		LCS	LCS				
		%Recovery	Qualifier				
Surrogate			Limits				
1-Chlorooctane		82	70 - 130				
o-Terphenyl		78	70 - 130				

Lab Sample ID: LCSD 880-110147/3-A

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110147

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1050		mg/Kg		105	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	998.2		mg/Kg		100	70 - 130	2	20
		LCSD	LCSD						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		81	70 - 130						
o-Terphenyl		77	70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109985/1-A

Matrix: Solid

Analysis Batch: 109987

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			05/12/25 15:44	1

Lab Sample ID: LCS 880-109985/2-A

Matrix: Solid

Analysis Batch: 109987

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-109985/3-A

Matrix: Solid

Analysis Batch: 109987

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	242.6		mg/Kg		97	90 - 110	0	20

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-109992/1-A

Matrix: Solid

Analysis Batch: 110002

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			05/13/25 08:38	1

Lab Sample ID: LCS 880-109992/2-A

Matrix: Solid

Analysis Batch: 110002

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.5		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-109992/3-A

Matrix: Solid

Analysis Batch: 110002

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	238.9		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-8144-7 MS

Matrix: Solid

Analysis Batch: 110002

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	1040		248	1246	4	mg/Kg		85	90 - 110

Lab Sample ID: 890-8144-7 MSD

Matrix: Solid

Analysis Batch: 110002

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	1040		248	1247	4	mg/Kg		85	90 - 110	0	20

Lab Sample ID: 890-8144-17 MS

Matrix: Solid

Analysis Batch: 110002

Client Sample ID: HA - 4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	137		251	396.7		mg/Kg		104	90 - 110

Lab Sample ID: 890-8144-17 MSD

Matrix: Solid

Analysis Batch: 110002

Client Sample ID: HA - 4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	137		251	396.5		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-110001/1-A

Matrix: Solid

Analysis Batch: 110007

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			05/13/25 11:40	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-110001/2-A

Matrix: Solid

Analysis Batch: 110007

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.6		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-110001/3-A

Matrix: Solid

Analysis Batch: 110007

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	238.7		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-109993/1-A

Matrix: Solid

Analysis Batch: 110046

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			05/13/25 13:09	1

Lab Sample ID: LCS 880-109993/2-A

Matrix: Solid

Analysis Batch: 110046

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.8		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-109993/3-A

Matrix: Solid

Analysis Batch: 110046

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	258.2		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-8144-27 MS

Matrix: Solid

Analysis Batch: 110046

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	109	F1	252	398.6	F1	mg/Kg		115	90 - 110

Lab Sample ID: 890-8144-27 MSD

Matrix: Solid

Analysis Batch: 110046

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	109	F1	252	395.9	F1	mg/Kg		114	90 - 110	1	20

Lab Sample ID: 890-8144-37 MS

Matrix: Solid

Analysis Batch: 110046

Client Sample ID: HA - 11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	114		250	361.6		mg/Kg		99	90 - 110

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8144-37 MSD

Matrix: Solid

Analysis Batch: 110046

Client Sample ID: HA - 11

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114		250	361.3		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC VOA

Prep Batch: 109838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-109838/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 109915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-1	HA - 1	Total/NA	Solid	8021B	109924
890-8144-2	HA - 1	Total/NA	Solid	8021B	109924
890-8144-3	HA - 2	Total/NA	Solid	8021B	109924
890-8144-3	HA - 2	Total/NA	Solid	8021B	109926
890-8144-4	HA - 2	Total/NA	Solid	8021B	109924
890-8144-5	HA - 2	Total/NA	Solid	8021B	109924
890-8144-6	HA - 2	Total/NA	Solid	8021B	109924
890-8144-7	HA - 2	Total/NA	Solid	8021B	109924
890-8144-9	HA - 3	Total/NA	Solid	8021B	109924
890-8144-10	HA - 3	Total/NA	Solid	8021B	109924
890-8144-11	HA - 3	Total/NA	Solid	8021B	109924
890-8144-12	HA - 3	Total/NA	Solid	8021B	109924
890-8144-13	HA - 4	Total/NA	Solid	8021B	109924
890-8144-14	HA - 4	Total/NA	Solid	8021B	109924
890-8144-16	HA - 4	Total/NA	Solid	8021B	109924
890-8144-17	HA - 4	Total/NA	Solid	8021B	109924
890-8144-18	HA - 5	Total/NA	Solid	8021B	109924
890-8144-19	HA - 5	Total/NA	Solid	8021B	109924
890-8144-20	HA - 5	Total/NA	Solid	8021B	109924
890-8144-41	HA - 12	Total/NA	Solid	8021B	109926
890-8144-42	HA - 12	Total/NA	Solid	8021B	109926
890-8144-43	HA - 13	Total/NA	Solid	8021B	109926
890-8144-44	HA - 13	Total/NA	Solid	8021B	109926
890-8144-45	HA - 13	Total/NA	Solid	8021B	109926
890-8144-46	HA - 14	Total/NA	Solid	8021B	109926
890-8144-47	HA - 14	Total/NA	Solid	8021B	109926
890-8144-48	HA - 14	Total/NA	Solid	8021B	109926
MB 880-109924/5-A	Method Blank	Total/NA	Solid	8021B	109924
MB 880-109926/5-A	Method Blank	Total/NA	Solid	8021B	109926
LCS 880-109924/1-A	Lab Control Sample	Total/NA	Solid	8021B	109924
LCS 880-109926/1-A	Lab Control Sample	Total/NA	Solid	8021B	109926
LCSD 880-109924/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109924
LCSD 880-109926/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109926
890-8144-1 MS	HA - 1	Total/NA	Solid	8021B	109924
890-8144-1 MSD	HA - 1	Total/NA	Solid	8021B	109924

Analysis Batch: 109916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-21	HA - 5	Total/NA	Solid	8021B	109925
890-8144-22	HA - 5	Total/NA	Solid	8021B	109925
890-8144-25	HA - 7	Total/NA	Solid	8021B	109925
890-8144-26	HA - 7	Total/NA	Solid	8021B	109925
890-8144-27	HA - 7	Total/NA	Solid	8021B	109925
890-8144-28	HA - 8	Total/NA	Solid	8021B	109925
890-8144-30	HA - 8	Total/NA	Solid	8021B	109925
890-8144-31	HA - 9	Total/NA	Solid	8021B	109925
890-8144-32	HA - 9	Total/NA	Solid	8021B	109925

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 109916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-33	HA - 9	Total/NA	Solid	8021B	109925
890-8144-34	HA - 10	Total/NA	Solid	8021B	109925
890-8144-35	HA - 10	Total/NA	Solid	8021B	109925
890-8144-36	HA - 10	Total/NA	Solid	8021B	109925
890-8144-37	HA - 11	Total/NA	Solid	8021B	109925
890-8144-38	HA - 11	Total/NA	Solid	8021B	109925
890-8144-39	HA - 11	Total/NA	Solid	8021B	109925
890-8144-40	HA - 12	Total/NA	Solid	8021B	109925
MB 880-109838/5-A	Method Blank	Total/NA	Solid	8021B	109838
MB 880-109925/5-A	Method Blank	Total/NA	Solid	8021B	109925
LCS 880-109925/1-A	Lab Control Sample	Total/NA	Solid	8021B	109925
LCSD 880-109925/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109925
890-8144-21 MS	HA - 5	Total/NA	Solid	8021B	109925
890-8144-21 MSD	HA - 5	Total/NA	Solid	8021B	109925

Prep Batch: 109924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-1	HA - 1	Total/NA	Solid	5035	
890-8144-2	HA - 1	Total/NA	Solid	5035	
890-8144-3	HA - 2	Total/NA	Solid	5035	
890-8144-4	HA - 2	Total/NA	Solid	5035	
890-8144-5	HA - 2	Total/NA	Solid	5035	
890-8144-6	HA - 2	Total/NA	Solid	5035	
890-8144-7	HA - 2	Total/NA	Solid	5035	
890-8144-9	HA - 3	Total/NA	Solid	5035	
890-8144-10	HA - 3	Total/NA	Solid	5035	
890-8144-11	HA - 3	Total/NA	Solid	5035	
890-8144-12	HA - 3	Total/NA	Solid	5035	
890-8144-13	HA - 4	Total/NA	Solid	5035	
890-8144-14	HA - 4	Total/NA	Solid	5035	
890-8144-16	HA - 4	Total/NA	Solid	5035	
890-8144-17	HA - 4	Total/NA	Solid	5035	
890-8144-18	HA - 5	Total/NA	Solid	5035	
890-8144-19	HA - 5	Total/NA	Solid	5035	
890-8144-20	HA - 5	Total/NA	Solid	5035	
MB 880-109924/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109924/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109924/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8144-1 MS	HA - 1	Total/NA	Solid	5035	
890-8144-1 MSD	HA - 1	Total/NA	Solid	5035	

Prep Batch: 109925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-21	HA - 5	Total/NA	Solid	5035	
890-8144-22	HA - 5	Total/NA	Solid	5035	
890-8144-25	HA - 7	Total/NA	Solid	5035	
890-8144-26	HA - 7	Total/NA	Solid	5035	
890-8144-27	HA - 7	Total/NA	Solid	5035	
890-8144-28	HA - 8	Total/NA	Solid	5035	
890-8144-30	HA - 8	Total/NA	Solid	5035	
890-8144-31	HA - 9	Total/NA	Solid	5035	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 109925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-32	HA - 9	Total/NA	Solid	5035	
890-8144-33	HA - 9	Total/NA	Solid	5035	
890-8144-34	HA - 10	Total/NA	Solid	5035	
890-8144-35	HA - 10	Total/NA	Solid	5035	
890-8144-36	HA - 10	Total/NA	Solid	5035	
890-8144-37	HA - 11	Total/NA	Solid	5035	
890-8144-38	HA - 11	Total/NA	Solid	5035	
890-8144-39	HA - 11	Total/NA	Solid	5035	
890-8144-40	HA - 12	Total/NA	Solid	5035	
MB 880-109925/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109925/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109925/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8144-21 MS	HA - 5	Total/NA	Solid	5035	
890-8144-21 MSD	HA - 5	Total/NA	Solid	5035	

Prep Batch: 109926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-3	HA - 2	Total/NA	Solid	5035	
890-8144-41	HA - 12	Total/NA	Solid	5035	
890-8144-42	HA - 12	Total/NA	Solid	5035	
890-8144-43	HA - 13	Total/NA	Solid	5035	
890-8144-44	HA - 13	Total/NA	Solid	5035	
890-8144-45	HA - 13	Total/NA	Solid	5035	
890-8144-46	HA - 14	Total/NA	Solid	5035	
890-8144-47	HA - 14	Total/NA	Solid	5035	
890-8144-48	HA - 14	Total/NA	Solid	5035	
MB 880-109926/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109926/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109926/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 109976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-8	HA - 3	Total/NA	Solid	5035	
890-8144-9	HA - 3	Total/NA	Solid	5035	
MB 880-109976/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109976/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109976/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 109990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-8	HA - 3	Total/NA	Solid	8021B	110006
890-8144-13	HA - 4	Total/NA	Solid	8021B	110006
890-8144-14	HA - 4	Total/NA	Solid	8021B	110006
890-8144-15	HA - 4	Total/NA	Solid	8021B	110006
890-8144-23	HA - 6	Total/NA	Solid	8021B	110006
MB 880-110006/5-A	Method Blank	Total/NA	Solid	8021B	110006
LCS 880-110006/1-A	Lab Control Sample	Total/NA	Solid	8021B	110006
LCSD 880-110006/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110006

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 109991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-8	HA - 3	Total/NA	Solid	8021B	109976
890-8144-9	HA - 3	Total/NA	Solid	8021B	109976
MB 880-109976/5-A	Method Blank	Total/NA	Solid	8021B	109976
LCS 880-109976/1-A	Lab Control Sample	Total/NA	Solid	8021B	109976
LCSD 880-109976/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109976

Analysis Batch: 109994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8144-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8144-3	HA - 2	Total/NA	Solid	Total BTEX	
890-8144-4	HA - 2	Total/NA	Solid	Total BTEX	
890-8144-5	HA - 2	Total/NA	Solid	Total BTEX	
890-8144-6	HA - 2	Total/NA	Solid	Total BTEX	
890-8144-7	HA - 2	Total/NA	Solid	Total BTEX	
890-8144-8	HA - 3	Total/NA	Solid	Total BTEX	
890-8144-9	HA - 3	Total/NA	Solid	Total BTEX	
890-8144-10	HA - 3	Total/NA	Solid	Total BTEX	
890-8144-11	HA - 3	Total/NA	Solid	Total BTEX	
890-8144-12	HA - 3	Total/NA	Solid	Total BTEX	
890-8144-13	HA - 4	Total/NA	Solid	Total BTEX	
890-8144-14	HA - 4	Total/NA	Solid	Total BTEX	
890-8144-15	HA - 4	Total/NA	Solid	Total BTEX	
890-8144-16	HA - 4	Total/NA	Solid	Total BTEX	
890-8144-17	HA - 4	Total/NA	Solid	Total BTEX	
890-8144-18	HA - 5	Total/NA	Solid	Total BTEX	
890-8144-19	HA - 5	Total/NA	Solid	Total BTEX	
890-8144-20	HA - 5	Total/NA	Solid	Total BTEX	
890-8144-21	HA - 5	Total/NA	Solid	Total BTEX	
890-8144-22	HA - 5	Total/NA	Solid	Total BTEX	
890-8144-23	HA - 6	Total/NA	Solid	Total BTEX	
890-8144-24	HA - 6	Total/NA	Solid	Total BTEX	
890-8144-25	HA - 7	Total/NA	Solid	Total BTEX	
890-8144-26	HA - 7	Total/NA	Solid	Total BTEX	
890-8144-27	HA - 7	Total/NA	Solid	Total BTEX	
890-8144-28	HA - 8	Total/NA	Solid	Total BTEX	
890-8144-29	HA - 8	Total/NA	Solid	Total BTEX	
890-8144-30	HA - 8	Total/NA	Solid	Total BTEX	
890-8144-31	HA - 9	Total/NA	Solid	Total BTEX	
890-8144-32	HA - 9	Total/NA	Solid	Total BTEX	
890-8144-33	HA - 9	Total/NA	Solid	Total BTEX	
890-8144-34	HA - 10	Total/NA	Solid	Total BTEX	
890-8144-35	HA - 10	Total/NA	Solid	Total BTEX	
890-8144-36	HA - 10	Total/NA	Solid	Total BTEX	
890-8144-37	HA - 11	Total/NA	Solid	Total BTEX	
890-8144-38	HA - 11	Total/NA	Solid	Total BTEX	
890-8144-39	HA - 11	Total/NA	Solid	Total BTEX	
890-8144-40	HA - 12	Total/NA	Solid	Total BTEX	
890-8144-41	HA - 12	Total/NA	Solid	Total BTEX	
890-8144-42	HA - 12	Total/NA	Solid	Total BTEX	
890-8144-43	HA - 13	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 109994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-44	HA - 13	Total/NA	Solid	Total BTEX	
890-8144-45	HA - 13	Total/NA	Solid	Total BTEX	
890-8144-46	HA - 14	Total/NA	Solid	Total BTEX	
890-8144-47	HA - 14	Total/NA	Solid	Total BTEX	
890-8144-48	HA - 14	Total/NA	Solid	Total BTEX	

Prep Batch: 110006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-8	HA - 3	Total/NA	Solid	5035	
890-8144-13	HA - 4	Total/NA	Solid	5035	
890-8144-14	HA - 4	Total/NA	Solid	5035	
890-8144-15	HA - 4	Total/NA	Solid	5035	
890-8144-23	HA - 6	Total/NA	Solid	5035	
MB 880-110006/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110006/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110006/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 110089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-15	HA - 4	Total/NA	Solid	8021B	110097
MB 880-110097/5-A	Method Blank	Total/NA	Solid	8021B	110097
LCS 880-110097/1-A	Lab Control Sample	Total/NA	Solid	8021B	110097
LCSD 880-110097/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110097

Prep Batch: 110097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-15	HA - 4	Total/NA	Solid	5035	
MB 880-110097/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110097/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110097/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 110185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-24	HA - 6	Total/NA	Solid	8021B	110188
890-8144-29	HA - 8	Total/NA	Solid	8021B	110188
MB 880-110188/5-A	Method Blank	Total/NA	Solid	8021B	110188
LCS 880-110188/1-A	Lab Control Sample	Total/NA	Solid	8021B	110188
LCSD 880-110188/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110188

Prep Batch: 110188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-24	HA - 6	Total/NA	Solid	5035	
890-8144-29	HA - 8	Total/NA	Solid	5035	
MB 880-110188/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110188/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110188/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 109910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8144-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-8144-3	HA - 2	Total/NA	Solid	8015NM Prep	
890-8144-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-8144-5	HA - 2	Total/NA	Solid	8015NM Prep	
890-8144-6	HA - 2	Total/NA	Solid	8015NM Prep	
MB 880-109910/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109910/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109910/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 109911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-7	HA - 2	Total/NA	Solid	8015NM Prep	
890-8144-9	HA - 3	Total/NA	Solid	8015NM Prep	
890-8144-10	HA - 3	Total/NA	Solid	8015NM Prep	
890-8144-11	HA - 3	Total/NA	Solid	8015NM Prep	
890-8144-12	HA - 3	Total/NA	Solid	8015NM Prep	
890-8144-16	HA - 4	Total/NA	Solid	8015NM Prep	
890-8144-17	HA - 4	Total/NA	Solid	8015NM Prep	
890-8144-18	HA - 5	Total/NA	Solid	8015NM Prep	
890-8144-19	HA - 5	Total/NA	Solid	8015NM Prep	
890-8144-20	HA - 5	Total/NA	Solid	8015NM Prep	
890-8144-21	HA - 5	Total/NA	Solid	8015NM Prep	
890-8144-22	HA - 5	Total/NA	Solid	8015NM Prep	
890-8144-24	HA - 6	Total/NA	Solid	8015NM Prep	
890-8144-25	HA - 7	Total/NA	Solid	8015NM Prep	
890-8144-26	HA - 7	Total/NA	Solid	8015NM Prep	
MB 880-109911/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109911/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109911/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8144-7 MS	HA - 2	Total/NA	Solid	8015NM Prep	
890-8144-7 MSD	HA - 2	Total/NA	Solid	8015NM Prep	

Prep Batch: 109912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-27	HA - 7	Total/NA	Solid	8015NM Prep	
890-8144-28	HA - 8	Total/NA	Solid	8015NM Prep	
890-8144-29	HA - 8	Total/NA	Solid	8015NM Prep	
890-8144-30	HA - 8	Total/NA	Solid	8015NM Prep	
890-8144-31	HA - 9	Total/NA	Solid	8015NM Prep	
890-8144-32	HA - 9	Total/NA	Solid	8015NM Prep	
890-8144-33	HA - 9	Total/NA	Solid	8015NM Prep	
890-8144-34	HA - 10	Total/NA	Solid	8015NM Prep	
890-8144-35	HA - 10	Total/NA	Solid	8015NM Prep	
890-8144-36	HA - 10	Total/NA	Solid	8015NM Prep	
890-8144-37	HA - 11	Total/NA	Solid	8015NM Prep	
890-8144-38	HA - 11	Total/NA	Solid	8015NM Prep	
890-8144-39	HA - 11	Total/NA	Solid	8015NM Prep	
890-8144-40	HA - 12	Total/NA	Solid	8015NM Prep	
890-8144-41	HA - 12	Total/NA	Solid	8015NM Prep	
890-8144-42	HA - 12	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 109912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-43	HA - 13	Total/NA	Solid	8015NM Prep	
890-8144-44	HA - 13	Total/NA	Solid	8015NM Prep	
890-8144-45	HA - 13	Total/NA	Solid	8015NM Prep	
890-8144-46	HA - 14	Total/NA	Solid	8015NM Prep	
MB 880-109912/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109912/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109912/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8144-27 MS	HA - 7	Total/NA	Solid	8015NM Prep	
890-8144-27 MSD	HA - 7	Total/NA	Solid	8015NM Prep	

Prep Batch: 109952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-47	HA - 14	Total/NA	Solid	8015NM Prep	
MB 880-109952/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109952/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109952/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8144-47 MS	HA - 14	Total/NA	Solid	8015NM Prep	
890-8144-47 MSD	HA - 14	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-27	HA - 7	Total/NA	Solid	8015B NM	109912
890-8144-28	HA - 8	Total/NA	Solid	8015B NM	109912
890-8144-29	HA - 8	Total/NA	Solid	8015B NM	109912
890-8144-30	HA - 8	Total/NA	Solid	8015B NM	109912
890-8144-31	HA - 9	Total/NA	Solid	8015B NM	109912
890-8144-32	HA - 9	Total/NA	Solid	8015B NM	109912
890-8144-33	HA - 9	Total/NA	Solid	8015B NM	109912
890-8144-34	HA - 10	Total/NA	Solid	8015B NM	109912
890-8144-35	HA - 10	Total/NA	Solid	8015B NM	109912
890-8144-36	HA - 10	Total/NA	Solid	8015B NM	109912
890-8144-37	HA - 11	Total/NA	Solid	8015B NM	109912
890-8144-38	HA - 11	Total/NA	Solid	8015B NM	109912
890-8144-39	HA - 11	Total/NA	Solid	8015B NM	109912
890-8144-40	HA - 12	Total/NA	Solid	8015B NM	109912
890-8144-41	HA - 12	Total/NA	Solid	8015B NM	109912
890-8144-42	HA - 12	Total/NA	Solid	8015B NM	109912
890-8144-43	HA - 13	Total/NA	Solid	8015B NM	109912
890-8144-44	HA - 13	Total/NA	Solid	8015B NM	109912
890-8144-45	HA - 13	Total/NA	Solid	8015B NM	109912
890-8144-46	HA - 14	Total/NA	Solid	8015B NM	109912
MB 880-109912/1-A	Method Blank	Total/NA	Solid	8015B NM	109912
LCS 880-109912/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109912
LCSD 880-109912/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109912
890-8144-27 MS	HA - 7	Total/NA	Solid	8015B NM	109912
890-8144-27 MSD	HA - 7	Total/NA	Solid	8015B NM	109912

Analysis Batch: 110022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-1	HA - 1	Total/NA	Solid	8015B NM	109910
890-8144-2	HA - 1	Total/NA	Solid	8015B NM	109910

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 110022 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-3	HA - 2	Total/NA	Solid	8015B NM	109910
890-8144-4	HA - 2	Total/NA	Solid	8015B NM	109910
890-8144-5	HA - 2	Total/NA	Solid	8015B NM	109910
890-8144-6	HA - 2	Total/NA	Solid	8015B NM	109910
MB 880-109910/1-A	Method Blank	Total/NA	Solid	8015B NM	109910
LCS 880-109910/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109910
LCSD 880-109910/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109910

Analysis Batch: 110024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-7	HA - 2	Total/NA	Solid	8015B NM	109911
890-8144-9	HA - 3	Total/NA	Solid	8015B NM	109911
890-8144-10	HA - 3	Total/NA	Solid	8015B NM	109911
890-8144-11	HA - 3	Total/NA	Solid	8015B NM	109911
890-8144-12	HA - 3	Total/NA	Solid	8015B NM	109911
890-8144-16	HA - 4	Total/NA	Solid	8015B NM	109911
890-8144-17	HA - 4	Total/NA	Solid	8015B NM	109911
890-8144-18	HA - 5	Total/NA	Solid	8015B NM	109911
890-8144-19	HA - 5	Total/NA	Solid	8015B NM	109911
890-8144-20	HA - 5	Total/NA	Solid	8015B NM	109911
890-8144-21	HA - 5	Total/NA	Solid	8015B NM	109911
890-8144-22	HA - 5	Total/NA	Solid	8015B NM	109911
890-8144-24	HA - 6	Total/NA	Solid	8015B NM	109911
890-8144-25	HA - 7	Total/NA	Solid	8015B NM	109911
890-8144-26	HA - 7	Total/NA	Solid	8015B NM	109911
MB 880-109911/1-A	Method Blank	Total/NA	Solid	8015B NM	109911
LCS 880-109911/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109911
LCSD 880-109911/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109911
890-8144-7 MS	HA - 2	Total/NA	Solid	8015B NM	109911
890-8144-7 MSD	HA - 2	Total/NA	Solid	8015B NM	109911

Analysis Batch: 110030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-1	HA - 1	Total/NA	Solid	8015 NM	
890-8144-2	HA - 1	Total/NA	Solid	8015 NM	
890-8144-3	HA - 2	Total/NA	Solid	8015 NM	
890-8144-4	HA - 2	Total/NA	Solid	8015 NM	
890-8144-5	HA - 2	Total/NA	Solid	8015 NM	
890-8144-6	HA - 2	Total/NA	Solid	8015 NM	
890-8144-7	HA - 2	Total/NA	Solid	8015 NM	
890-8144-8	HA - 3	Total/NA	Solid	8015 NM	
890-8144-9	HA - 3	Total/NA	Solid	8015 NM	
890-8144-10	HA - 3	Total/NA	Solid	8015 NM	
890-8144-11	HA - 3	Total/NA	Solid	8015 NM	
890-8144-12	HA - 3	Total/NA	Solid	8015 NM	
890-8144-13	HA - 4	Total/NA	Solid	8015 NM	
890-8144-14	HA - 4	Total/NA	Solid	8015 NM	
890-8144-15	HA - 4	Total/NA	Solid	8015 NM	
890-8144-16	HA - 4	Total/NA	Solid	8015 NM	
890-8144-17	HA - 4	Total/NA	Solid	8015 NM	
890-8144-18	HA - 5	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 110030 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-19	HA - 5	Total/NA	Solid	8015 NM	
890-8144-20	HA - 5	Total/NA	Solid	8015 NM	
890-8144-21	HA - 5	Total/NA	Solid	8015 NM	
890-8144-22	HA - 5	Total/NA	Solid	8015 NM	
890-8144-23	HA - 6	Total/NA	Solid	8015 NM	
890-8144-24	HA - 6	Total/NA	Solid	8015 NM	
890-8144-25	HA - 7	Total/NA	Solid	8015 NM	
890-8144-26	HA - 7	Total/NA	Solid	8015 NM	
890-8144-27	HA - 7	Total/NA	Solid	8015 NM	
890-8144-28	HA - 8	Total/NA	Solid	8015 NM	
890-8144-29	HA - 8	Total/NA	Solid	8015 NM	
890-8144-30	HA - 8	Total/NA	Solid	8015 NM	
890-8144-31	HA - 9	Total/NA	Solid	8015 NM	
890-8144-32	HA - 9	Total/NA	Solid	8015 NM	
890-8144-33	HA - 9	Total/NA	Solid	8015 NM	
890-8144-34	HA - 10	Total/NA	Solid	8015 NM	
890-8144-35	HA - 10	Total/NA	Solid	8015 NM	
890-8144-36	HA - 10	Total/NA	Solid	8015 NM	
890-8144-37	HA - 11	Total/NA	Solid	8015 NM	
890-8144-38	HA - 11	Total/NA	Solid	8015 NM	
890-8144-39	HA - 11	Total/NA	Solid	8015 NM	
890-8144-40	HA - 12	Total/NA	Solid	8015 NM	
890-8144-41	HA - 12	Total/NA	Solid	8015 NM	
890-8144-42	HA - 12	Total/NA	Solid	8015 NM	
890-8144-43	HA - 13	Total/NA	Solid	8015 NM	
890-8144-44	HA - 13	Total/NA	Solid	8015 NM	
890-8144-45	HA - 13	Total/NA	Solid	8015 NM	
890-8144-46	HA - 14	Total/NA	Solid	8015 NM	
890-8144-47	HA - 14	Total/NA	Solid	8015 NM	
890-8144-48	HA - 14	Total/NA	Solid	8015 NM	

Analysis Batch: 110067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-47	HA - 14	Total/NA	Solid	8015B NM	109952
MB 880-109952/1-A	Method Blank	Total/NA	Solid	8015B NM	109952
LCS 880-109952/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109952
LCSD 880-109952/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109952
890-8144-47 MS	HA - 14	Total/NA	Solid	8015B NM	109952
890-8144-47 MSD	HA - 14	Total/NA	Solid	8015B NM	109952

Prep Batch: 110069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-48	HA - 14	Total/NA	Solid	8015NM Prep	
MB 880-110069/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110069/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110069/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8144-48 MS	HA - 14	Total/NA	Solid	8015NM Prep	
890-8144-48 MSD	HA - 14	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 110094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-48	HA - 14	Total/NA	Solid	8015B NM	110069
MB 880-110069/1-A	Method Blank	Total/NA	Solid	8015B NM	110069
LCS 880-110069/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110069
LCSD 880-110069/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110069
890-8144-48 MS	HA - 14	Total/NA	Solid	8015B NM	110069
890-8144-48 MSD	HA - 14	Total/NA	Solid	8015B NM	110069

Prep Batch: 110147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-8	HA - 3	Total/NA	Solid	8015NM Prep	
890-8144-13	HA - 4	Total/NA	Solid	8015NM Prep	
890-8144-14	HA - 4	Total/NA	Solid	8015NM Prep	
890-8144-15	HA - 4	Total/NA	Solid	8015NM Prep	
890-8144-23	HA - 6	Total/NA	Solid	8015NM Prep	
MB 880-110147/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110147/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-8	HA - 3	Total/NA	Solid	8015B NM	110147
890-8144-13	HA - 4	Total/NA	Solid	8015B NM	110147
890-8144-14	HA - 4	Total/NA	Solid	8015B NM	110147
890-8144-15	HA - 4	Total/NA	Solid	8015B NM	110147
890-8144-23	HA - 6	Total/NA	Solid	8015B NM	110147
MB 880-110147/1-A	Method Blank	Total/NA	Solid	8015B NM	110147
LCS 880-110147/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110147
LCSD 880-110147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110147

HPLC/IC

Leach Batch: 109985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-1	HA - 1	Soluble	Solid	DI Leach	
890-8144-2	HA - 1	Soluble	Solid	DI Leach	
890-8144-3	HA - 2	Soluble	Solid	DI Leach	
890-8144-4	HA - 2	Soluble	Solid	DI Leach	
890-8144-5	HA - 2	Soluble	Solid	DI Leach	
890-8144-6	HA - 2	Soluble	Solid	DI Leach	
MB 880-109985/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109985/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109985/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 109987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-1	HA - 1	Soluble	Solid	300.0	109985
890-8144-2	HA - 1	Soluble	Solid	300.0	109985
890-8144-3	HA - 2	Soluble	Solid	300.0	109985
890-8144-4	HA - 2	Soluble	Solid	300.0	109985
890-8144-5	HA - 2	Soluble	Solid	300.0	109985
890-8144-6	HA - 2	Soluble	Solid	300.0	109985

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 109987 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-109985/1-A	Method Blank	Soluble	Solid	300.0	109985
LCS 880-109985/2-A	Lab Control Sample	Soluble	Solid	300.0	109985
LCSD 880-109985/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109985

Leach Batch: 109992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-7	HA - 2	Soluble	Solid	DI Leach	
890-8144-8	HA - 3	Soluble	Solid	DI Leach	
890-8144-9	HA - 3	Soluble	Solid	DI Leach	
890-8144-10	HA - 3	Soluble	Solid	DI Leach	
890-8144-11	HA - 3	Soluble	Solid	DI Leach	
890-8144-12	HA - 3	Soluble	Solid	DI Leach	
890-8144-13	HA - 4	Soluble	Solid	DI Leach	
890-8144-14	HA - 4	Soluble	Solid	DI Leach	
890-8144-15	HA - 4	Soluble	Solid	DI Leach	
890-8144-16	HA - 4	Soluble	Solid	DI Leach	
890-8144-17	HA - 4	Soluble	Solid	DI Leach	
890-8144-18	HA - 5	Soluble	Solid	DI Leach	
890-8144-19	HA - 5	Soluble	Solid	DI Leach	
890-8144-20	HA - 5	Soluble	Solid	DI Leach	
890-8144-21	HA - 5	Soluble	Solid	DI Leach	
890-8144-22	HA - 5	Soluble	Solid	DI Leach	
890-8144-23	HA - 6	Soluble	Solid	DI Leach	
890-8144-24	HA - 6	Soluble	Solid	DI Leach	
890-8144-25	HA - 7	Soluble	Solid	DI Leach	
890-8144-26	HA - 7	Soluble	Solid	DI Leach	
MB 880-109992/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109992/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109992/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8144-7 MS	HA - 2	Soluble	Solid	DI Leach	
890-8144-7 MSD	HA - 2	Soluble	Solid	DI Leach	
890-8144-17 MS	HA - 4	Soluble	Solid	DI Leach	
890-8144-17 MSD	HA - 4	Soluble	Solid	DI Leach	

Leach Batch: 109993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-27	HA - 7	Soluble	Solid	DI Leach	
890-8144-28	HA - 8	Soluble	Solid	DI Leach	
890-8144-29	HA - 8	Soluble	Solid	DI Leach	
890-8144-30	HA - 8	Soluble	Solid	DI Leach	
890-8144-31	HA - 9	Soluble	Solid	DI Leach	
890-8144-32	HA - 9	Soluble	Solid	DI Leach	
890-8144-33	HA - 9	Soluble	Solid	DI Leach	
890-8144-34	HA - 10	Soluble	Solid	DI Leach	
890-8144-35	HA - 10	Soluble	Solid	DI Leach	
890-8144-36	HA - 10	Soluble	Solid	DI Leach	
890-8144-37	HA - 11	Soluble	Solid	DI Leach	
890-8144-38	HA - 11	Soluble	Solid	DI Leach	
890-8144-39	HA - 11	Soluble	Solid	DI Leach	
890-8144-40	HA - 12	Soluble	Solid	DI Leach	
890-8144-41	HA - 12	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 109993 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-42	HA - 12	Soluble	Solid	DI Leach	
890-8144-43	HA - 13	Soluble	Solid	DI Leach	
890-8144-44	HA - 13	Soluble	Solid	DI Leach	
890-8144-45	HA - 13	Soluble	Solid	DI Leach	
890-8144-46	HA - 14	Soluble	Solid	DI Leach	
MB 880-109993/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109993/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109993/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8144-27 MS	HA - 7	Soluble	Solid	DI Leach	
890-8144-27 MSD	HA - 7	Soluble	Solid	DI Leach	
890-8144-37 MS	HA - 11	Soluble	Solid	DI Leach	
890-8144-37 MSD	HA - 11	Soluble	Solid	DI Leach	

Leach Batch: 110001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-47	HA - 14	Soluble	Solid	DI Leach	
890-8144-48	HA - 14	Soluble	Solid	DI Leach	
MB 880-110001/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110001/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110001/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 110002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-7	HA - 2	Soluble	Solid	300.0	109992
890-8144-8	HA - 3	Soluble	Solid	300.0	109992
890-8144-9	HA - 3	Soluble	Solid	300.0	109992
890-8144-10	HA - 3	Soluble	Solid	300.0	109992
890-8144-11	HA - 3	Soluble	Solid	300.0	109992
890-8144-12	HA - 3	Soluble	Solid	300.0	109992
890-8144-13	HA - 4	Soluble	Solid	300.0	109992
890-8144-14	HA - 4	Soluble	Solid	300.0	109992
890-8144-15	HA - 4	Soluble	Solid	300.0	109992
890-8144-16	HA - 4	Soluble	Solid	300.0	109992
890-8144-17	HA - 4	Soluble	Solid	300.0	109992
890-8144-18	HA - 5	Soluble	Solid	300.0	109992
890-8144-19	HA - 5	Soluble	Solid	300.0	109992
890-8144-20	HA - 5	Soluble	Solid	300.0	109992
890-8144-21	HA - 5	Soluble	Solid	300.0	109992
890-8144-22	HA - 5	Soluble	Solid	300.0	109992
890-8144-23	HA - 6	Soluble	Solid	300.0	109992
890-8144-24	HA - 6	Soluble	Solid	300.0	109992
890-8144-25	HA - 7	Soluble	Solid	300.0	109992
890-8144-26	HA - 7	Soluble	Solid	300.0	109992
MB 880-109992/1-A	Method Blank	Soluble	Solid	300.0	109992
LCS 880-109992/2-A	Lab Control Sample	Soluble	Solid	300.0	109992
LCSD 880-109992/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109992
890-8144-7 MS	HA - 2	Soluble	Solid	300.0	109992
890-8144-7 MSD	HA - 2	Soluble	Solid	300.0	109992
890-8144-17 MS	HA - 4	Soluble	Solid	300.0	109992
890-8144-17 MSD	HA - 4	Soluble	Solid	300.0	109992

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 110007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-47	HA - 14	Soluble	Solid	300.0	110001
890-8144-48	HA - 14	Soluble	Solid	300.0	110001
MB 880-110001/1-A	Method Blank	Soluble	Solid	300.0	110001
LCS 880-110001/2-A	Lab Control Sample	Soluble	Solid	300.0	110001
LCSD 880-110001/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110001

Analysis Batch: 110046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8144-27	HA - 7	Soluble	Solid	300.0	109993
890-8144-28	HA - 8	Soluble	Solid	300.0	109993
890-8144-29	HA - 8	Soluble	Solid	300.0	109993
890-8144-30	HA - 8	Soluble	Solid	300.0	109993
890-8144-31	HA - 9	Soluble	Solid	300.0	109993
890-8144-32	HA - 9	Soluble	Solid	300.0	109993
890-8144-33	HA - 9	Soluble	Solid	300.0	109993
890-8144-34	HA - 10	Soluble	Solid	300.0	109993
890-8144-35	HA - 10	Soluble	Solid	300.0	109993
890-8144-36	HA - 10	Soluble	Solid	300.0	109993
890-8144-37	HA - 11	Soluble	Solid	300.0	109993
890-8144-38	HA - 11	Soluble	Solid	300.0	109993
890-8144-39	HA - 11	Soluble	Solid	300.0	109993
890-8144-40	HA - 12	Soluble	Solid	300.0	109993
890-8144-41	HA - 12	Soluble	Solid	300.0	109993
890-8144-42	HA - 12	Soluble	Solid	300.0	109993
890-8144-43	HA - 13	Soluble	Solid	300.0	109993
890-8144-44	HA - 13	Soluble	Solid	300.0	109993
890-8144-45	HA - 13	Soluble	Solid	300.0	109993
890-8144-46	HA - 14	Soluble	Solid	300.0	109993
MB 880-109993/1-A	Method Blank	Soluble	Solid	300.0	109993
LCS 880-109993/2-A	Lab Control Sample	Soluble	Solid	300.0	109993
LCSD 880-109993/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109993
890-8144-27 MS	HA - 7	Soluble	Solid	300.0	109993
890-8144-27 MSD	HA - 7	Soluble	Solid	300.0	109993
890-8144-37 MS	HA - 11	Soluble	Solid	300.0	109993
890-8144-37 MSD	HA - 11	Soluble	Solid	300.0	109993

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8144-1

Date Collected: 05/09/25 07:00

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 11:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109910	05/12/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110022	05/13/25 15:53	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109985	05/12/25 14:21	SI	EET MID
Soluble	Analysis	300.0		5			109987	05/12/25 17:54	CH	EET MID

Client Sample ID: HA - 1

Lab Sample ID: 890-8144-2

Date Collected: 05/09/25 07:05

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 12:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 16:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109910	05/12/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110022	05/13/25 16:08	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109985	05/12/25 14:21	SI	EET MID
Soluble	Analysis	300.0		10			109987	05/12/25 17:59	CH	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-3

Date Collected: 05/09/25 07:10

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 12:29	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	109915	05/13/25 06:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 06:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109910	05/12/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110022	05/13/25 16:23	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109985	05/12/25 14:21	SI	EET MID
Soluble	Analysis	300.0		5			109987	05/12/25 18:04	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-4

Date Collected: 05/09/25 07:15

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109910	05/12/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110022	05/13/25 16:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109985	05/12/25 14:21	SI	EET MID
Soluble	Analysis	300.0		5			109987	05/12/25 18:09	CH	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-5

Date Collected: 05/09/25 07:20

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 13:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 13:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109910	05/12/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110022	05/13/25 16:53	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109985	05/12/25 14:21	SI	EET MID
Soluble	Analysis	300.0		5			109987	05/12/25 18:14	CH	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-6

Date Collected: 05/09/25 07:25

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109910	05/12/25 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110022	05/13/25 17:08	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109985	05/12/25 14:21	SI	EET MID
Soluble	Analysis	300.0		1			109987	05/12/25 18:20	CH	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-7

Date Collected: 05/09/25 07:30

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 13:51	SM	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8144-7

Date Collected: 05/09/25 07:30

Matrix: Solid

Date Received: 05/09/25 14:48

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			110030	05/13/25 11:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 11:38	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 08:54	CH	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-8

Date Collected: 05/09/25 07:35

Matrix: Solid

Date Received: 05/09/25 14:48

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	109976	05/12/25 12:32	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	109991	05/12/25 21:12	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	110006	05/13/25 08:32	AA	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	109990	05/13/25 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 14:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/15/25 15:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110147	05/14/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	110223	05/15/25 15:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		5			110002	05/13/25 09:10	CH	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-9

Date Collected: 05/09/25 07:40

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 14:32	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	109976	05/12/25 12:32	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	109991	05/13/25 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 00:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 12:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 12:37	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		5			110002	05/13/25 09:15	CH	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-10

Date Collected: 05/09/25 07:45

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 14:52	MNR	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-10

Date Collected: 05/09/25 07:45

Matrix: Solid

Date Received: 05/09/25 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 12:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 12:52	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		5			110002	05/13/25 09:20	CH	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-11

Date Collected: 05/09/25 07:50

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 16:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 13:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 13:07	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		5			110002	05/13/25 09:25	CH	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8144-12

Date Collected: 05/09/25 07:55

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 16:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 13:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 13:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 09:41	CH	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-13

Date Collected: 05/09/25 08:00

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 17:07	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	110006	05/13/25 08:32	AA	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	109990	05/13/25 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 13:15	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 4**Lab Sample ID: 890-8144-13****Date Collected: 05/09/25 08:00****Matrix: Solid****Date Received: 05/09/25 14:48**

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			110030	05/15/25 16:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110147	05/14/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	110223	05/15/25 16:13	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 09:46	CH	EET MID

Client Sample ID: HA - 4**Lab Sample ID: 890-8144-14****Date Collected: 05/09/25 08:05****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 17:27	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	110006	05/13/25 08:32	AA	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	109990	05/13/25 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 13:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/15/25 16:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110147	05/14/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	110223	05/15/25 16:28	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 09:51	CH	EET MID

Client Sample ID: HA - 4**Lab Sample ID: 890-8144-15****Date Collected: 05/09/25 08:10****Matrix: Solid****Date Received: 05/09/25 14:48**

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	110097	05/14/25 08:43	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	110089	05/14/25 14:37	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	110006	05/13/25 08:32	AA	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	109990	05/13/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/14/25 14:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/15/25 16:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110147	05/14/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	110223	05/15/25 16:43	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		5			110002	05/13/25 09:56	CH	EET MID

Client Sample ID: HA - 4**Lab Sample ID: 890-8144-16****Date Collected: 05/09/25 08:15****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 18:09	MNR	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-16

Date Collected: 05/09/25 08:15

Matrix: Solid

Date Received: 05/09/25 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 18:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 14:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 14:22	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		10			110002	05/13/25 10:02	CH	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-8144-17

Date Collected: 05/09/25 08:20

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 18:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 18:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 14:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 14:52	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 10:07	CH	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-18

Date Collected: 05/09/25 08:25

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 18:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 18:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 15:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 15:07	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 10:22	CH	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-19

Date Collected: 05/09/25 08:30

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 19:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 15:22	SM	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-19

Date Collected: 05/09/25 08:30

Matrix: Solid

Date Received: 05/09/25 14:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 15:22	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 10:28	CH	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-20

Date Collected: 05/09/25 08:35

Matrix: Solid

Date Received: 05/09/25 14:48

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	109924	05/12/25 09:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/12/25 19:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 19:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 15:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 15:38	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 10:43	CH	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-21

Date Collected: 05/09/25 08:40

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/12/25 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/12/25 23:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 15:53	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 10:48	CH	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8144-22

Date Collected: 05/09/25 08:45

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 00:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 16:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 16:08	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 5**Lab Sample ID: 890-8144-22****Date Collected: 05/09/25 08:45****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 10:53	CH	EET MID

Client Sample ID: HA - 6**Lab Sample ID: 890-8144-23****Date Collected: 05/09/25 08:50****Matrix: Solid****Date Received: 05/09/25 14:48**

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	110006	05/13/25 08:32	AA	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	109990	05/13/25 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 12:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/15/25 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110147	05/14/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	110223	05/15/25 16:57	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 10:59	CH	EET MID

Client Sample ID: HA - 6**Lab Sample ID: 890-8144-24****Date Collected: 05/09/25 08:55****Matrix: Solid****Date Received: 05/09/25 14:48**

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	110188	05/15/25 08:29	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110185	05/15/25 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/15/25 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 16:38	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		5			110002	05/13/25 11:04	CH	EET MID

Client Sample ID: HA - 7**Lab Sample ID: 890-8144-25****Date Collected: 05/09/25 09:00****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 16:53	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 11:09	CH	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8144-26

Date Collected: 05/09/25 09:10

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109911	05/12/25 08:02	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110024	05/13/25 17:08	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109992	05/12/25 16:09	SA	EET MID
Soluble	Analysis	300.0		1			110002	05/13/25 11:14	CH	EET MID

Client Sample ID: HA - 7

Lab Sample ID: 890-8144-27

Date Collected: 05/09/25 09:20

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 13:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 13:27	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 13:30	CH	EET MID

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-28

Date Collected: 05/09/25 09:25

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 14:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 14:14	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 13:50	CH	EET MID

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-29

Date Collected: 05/09/25 09:35

Matrix: Solid

Date Received: 05/09/25 14:48

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	110188	05/15/25 08:29	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110185	05/15/25 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/15/25 13:50	SM	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-29

Date Collected: 05/09/25 09:35

Matrix: Solid

Date Received: 05/09/25 14:48

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			110030	05/12/25 14:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 14:30	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 13:57	CH	EET MID

Client Sample ID: HA - 8

Lab Sample ID: 890-8144-30

Date Collected: 05/09/25 09:45

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 02:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 02:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 14:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 14:04	CH	EET MID

Client Sample ID: HA - 9

Lab Sample ID: 890-8144-31

Date Collected: 05/09/25 09:50

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 04:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 04:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 15:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 15:02	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 14:11	CH	EET MID

Client Sample ID: HA - 9

Lab Sample ID: 890-8144-32

Date Collected: 05/09/25 10:00

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 04:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 04:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 15:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 15:18	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 9**Lab Sample ID: 890-8144-32****Date Collected: 05/09/25 10:00****Matrix: Solid****Date Received: 05/09/25 14:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 14:31	CH	EET MID

Client Sample ID: HA - 9**Lab Sample ID: 890-8144-33****Date Collected: 05/09/25 10:10****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 05:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 05:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 15:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 15:34	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 14:38	CH	EET MID

Client Sample ID: HA - 10**Lab Sample ID: 890-8144-34****Date Collected: 05/09/25 10:15****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 05:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 05:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 15:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 15:50	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 14:45	CH	EET MID

Client Sample ID: HA - 10**Lab Sample ID: 890-8144-35****Date Collected: 05/09/25 10:20****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 05:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 05:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 16:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 16:06	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 14:51	CH	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 10

Lab Sample ID: 890-8144-36

Date Collected: 05/09/25 10:25

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 06:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 06:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 16:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 16:22	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 14:58	CH	EET MID

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-37

Date Collected: 05/09/25 10:30

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 06:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 06:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 16:53	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 15:05	CH	EET MID

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-38

Date Collected: 05/09/25 10:35

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 06:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 06:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 17:09	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 15:25	CH	EET MID

Client Sample ID: HA - 11

Lab Sample ID: 890-8144-39

Date Collected: 05/09/25 10:40

Matrix: Solid

Date Received: 05/09/25 14:48

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 07:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 07:12	SM	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 11**Lab Sample ID: 890-8144-39****Date Collected: 05/09/25 10:40****Matrix: Solid****Date Received: 05/09/25 14:48**

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			110030	05/12/25 17:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 17:25	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 15:32	CH	EET MID

Client Sample ID: HA - 12**Lab Sample ID: 890-8144-40****Date Collected: 05/09/25 10:45****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109925	05/12/25 09:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109916	05/13/25 07:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 07:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 17:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 17:42	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 15:53	CH	EET MID

Client Sample ID: HA - 12**Lab Sample ID: 890-8144-41****Date Collected: 05/09/25 10:50****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/13/25 03:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 03:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 17:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 17:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 15:59	CH	EET MID

Client Sample ID: HA - 12**Lab Sample ID: 890-8144-42****Date Collected: 05/09/25 10:55****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/13/25 04:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 04:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 18:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 18:14	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 12**Lab Sample ID: 890-8144-42****Date Collected: 05/09/25 10:55****Matrix: Solid****Date Received: 05/09/25 14:48**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 16:06	CH	EET MID

Client Sample ID: HA - 13**Lab Sample ID: 890-8144-43****Date Collected: 05/09/25 11:00****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/13/25 04:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 04:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 18:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 18:30	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 16:13	CH	EET MID

Client Sample ID: HA - 13**Lab Sample ID: 890-8144-44****Date Collected: 05/09/25 11:05****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/13/25 04:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 04:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 18:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 18:47	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 16:20	CH	EET MID

Client Sample ID: HA - 13**Lab Sample ID: 890-8144-45****Date Collected: 05/09/25 11:10****Matrix: Solid****Date Received: 05/09/25 14:48**

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	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/13/25 05:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 05:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 19:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 19:03	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 16:27	CH	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Client Sample ID: HA - 14

Lab Sample ID: 890-8144-46

Date Collected: 05/09/25 11:15

Matrix: Solid

Date Received: 05/09/25 14:48

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	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/13/25 05:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 05:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/12/25 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109912	05/12/25 08:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109980	05/12/25 19:19	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109993	05/12/25 16:12	SA	EET MID
Soluble	Analysis	300.0		1			110046	05/13/25 16:33	CH	EET MID

Client Sample ID: HA - 14

Lab Sample ID: 890-8144-47

Date Collected: 05/09/25 11:20

Matrix: Solid

Date Received: 05/09/25 14:48

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	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/13/25 05:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 05:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/13/25 15:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	109952	05/12/25 11:04	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110067	05/13/25 15:44	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	110001	05/13/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			110007	05/13/25 13:24	CH	EET MID

Client Sample ID: HA - 14

Lab Sample ID: 890-8144-48

Date Collected: 05/09/25 11:25

Matrix: Solid

Date Received: 05/09/25 14:48

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	109926	05/12/25 09:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109915	05/13/25 06:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109994	05/13/25 06:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			110030	05/15/25 01:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110069	05/13/25 14:52	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110094	05/15/25 01:17	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	110001	05/13/25 07:53	SA	EET MID
Soluble	Analysis	300.0		1			110007	05/13/25 13:29	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8144-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8144-1	HA - 1	Solid	05/09/25 07:00	05/09/25 14:48	0.5
890-8144-2	HA - 1	Solid	05/09/25 07:05	05/09/25 14:48	1
890-8144-3	HA - 2	Solid	05/09/25 07:10	05/09/25 14:48	0.5
890-8144-4	HA - 2	Solid	05/09/25 07:15	05/09/25 14:48	1
890-8144-5	HA - 2	Solid	05/09/25 07:20	05/09/25 14:48	2
890-8144-6	HA - 2	Solid	05/09/25 07:25	05/09/25 14:48	3
890-8144-7	HA - 2	Solid	05/09/25 07:30	05/09/25 14:48	4
890-8144-8	HA - 3	Solid	05/09/25 07:35	05/09/25 14:48	0.5
890-8144-9	HA - 3	Solid	05/09/25 07:40	05/09/25 14:48	1
890-8144-10	HA - 3	Solid	05/09/25 07:45	05/09/25 14:48	2
890-8144-11	HA - 3	Solid	05/09/25 07:50	05/09/25 14:48	3
890-8144-12	HA - 3	Solid	05/09/25 07:55	05/09/25 14:48	4
890-8144-13	HA - 4	Solid	05/09/25 08:00	05/09/25 14:48	0.5
890-8144-14	HA - 4	Solid	05/09/25 08:05	05/09/25 14:48	1
890-8144-15	HA - 4	Solid	05/09/25 08:10	05/09/25 14:48	2
890-8144-16	HA - 4	Solid	05/09/25 08:15	05/09/25 14:48	3
890-8144-17	HA - 4	Solid	05/09/25 08:20	05/09/25 14:48	4
890-8144-18	HA - 5	Solid	05/09/25 08:25	05/09/25 14:48	0.5
890-8144-19	HA - 5	Solid	05/09/25 08:30	05/09/25 14:48	1
890-8144-20	HA - 5	Solid	05/09/25 08:35	05/09/25 14:48	2
890-8144-21	HA - 5	Solid	05/09/25 08:40	05/09/25 14:48	3
890-8144-22	HA - 5	Solid	05/09/25 08:45	05/09/25 14:48	4
890-8144-23	HA - 6	Solid	05/09/25 08:50	05/09/25 14:48	0.5
890-8144-24	HA - 6	Solid	05/09/25 08:55	05/09/25 14:48	1
890-8144-25	HA - 7	Solid	05/09/25 09:00	05/09/25 14:48	0.5
890-8144-26	HA - 7	Solid	05/09/25 09:10	05/09/25 14:48	2
890-8144-27	HA - 7	Solid	05/09/25 09:20	05/09/25 14:48	4
890-8144-28	HA - 8	Solid	05/09/25 09:25	05/09/25 14:48	0.5
890-8144-29	HA - 8	Solid	05/09/25 09:35	05/09/25 14:48	2
890-8144-30	HA - 8	Solid	05/09/25 09:45	05/09/25 14:48	4
890-8144-31	HA - 9	Solid	05/09/25 09:50	05/09/25 14:48	0.5
890-8144-32	HA - 9	Solid	05/09/25 10:00	05/09/25 14:48	2
890-8144-33	HA - 9	Solid	05/09/25 10:10	05/09/25 14:48	4
890-8144-34	HA - 10	Solid	05/09/25 10:15	05/09/25 14:48	0.5
890-8144-35	HA - 10	Solid	05/09/25 10:20	05/09/25 14:48	2
890-8144-36	HA - 10	Solid	05/09/25 10:25	05/09/25 14:48	4
890-8144-37	HA - 11	Solid	05/09/25 10:30	05/09/25 14:48	0.5
890-8144-38	HA - 11	Solid	05/09/25 10:35	05/09/25 14:48	2
890-8144-39	HA - 11	Solid	05/09/25 10:40	05/09/25 14:48	4
890-8144-40	HA - 12	Solid	05/09/25 10:45	05/09/25 14:48	0.5
890-8144-41	HA - 12	Solid	05/09/25 10:50	05/09/25 14:48	2
890-8144-42	HA - 12	Solid	05/09/25 10:55	05/09/25 14:48	4
890-8144-43	HA - 13	Solid	05/09/25 11:00	05/09/25 14:48	0.5
890-8144-44	HA - 13	Solid	05/09/25 11:05	05/09/25 14:48	2
890-8144-45	HA - 13	Solid	05/09/25 11:10	05/09/25 14:48	4
890-8144-46	HA - 14	Solid	05/09/25 11:15	05/09/25 14:48	0.5
890-8144-47	HA - 14	Solid	05/09/25 11:20	05/09/25 14:48	2
890-8144-48	HA - 14	Solid	05/09/25 11:25	05/09/25 14:48	4



Environment Testing
Xenco

Houston, TX (281) 240-4200 - Dallas, TX (214) 902-0500
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 1 of 6

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

Project Name:	Flagler 8 Federal #012H	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	372	Due Date:	Routine TAT		
Project Location:	Lee County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Gilbert Moreno, Santiago Giron				
POWOW #:					
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice:	☒ Yes ☒ No		
Samples Received Inact:	☒ Yes ☒ No	Thermometer ID:	TINMER		
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	-0.2		
Sample Custody Seals:	☒ Yes ☒ No	Temperature Reading:	-0.6		
Total Containers:		Corrected Temperature:	-0.4		



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-1	S	5.9.25	7:00	0.5	Grab	1	X	X	X			Incident Number NAP2512561686
HA-1	S	5.9.25	7:05	1	Grab	1	X	X	X			
HA-2	S	5.9.25	7:10	0.5	Grab	1	X	X	X			
HA-2	S	5.9.25	7:15	1	Grab	1	X	X	X			
HA-2	S	5.9.25	7:20	2	Grab	1	X	X	X			
HA-2	S	5.9.25	7:25	3	Grab	1	X	X	X			
HA-2	S	5.9.25	7:30	4	Grab	1	X	X	X			
HA-3	S	5.9.25	7:35	0.5	Grab	1	X	X	X			
HA-3	S	5.9.25	7:40	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 SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 2 of 6

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:	gmorano@earthsys.net

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

Project Name:	Flagler 8 Federal #012H	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:	372	☒ Routine ☐ Rush																		None: NO	DI Water: H ₂ O	
Project Location:	Lea County, NM	Due Date:	Routine TAT																	Coat: Coat	MeOH: Me	
Sampler's Name:	Gilbert Moreno, Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC	HNO ₃ : HN	
POWOW #:		Wet Ice:	(Yes) No																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank: (Yes) No	Thermometer ID:	(Yes) No																	H ₃ PO ₄ : HP		
Samples Received Intact:	Yes No	Correction Factor:	-0.2																	NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes No	Temperature Reading:	-0.5																	Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes No	Corrected Temperature:	-0.4																	Zn Acetate+NaOH: Zn		
Total Containers:																				NaOH+Ascorbic Acid: SARC		
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-3	S	5.9.25	7:45	2	Grab	1	X	X	X													Incident Number
HA-3	S	5.9.25	7:50	3	Grab	1	X	X	X													NAPP2512561686
HA-3	S	5.9.25	7:55	4	Grab	1	X	X	X													
HA-4	S	5.9.25	8:00	0.5	Grab	1	X	X	X													
HA-4	S	5.9.25	8:05	1	Grab	1	X	X	X													
HA-4	S	5.9.25	8:10	2	Grab	1	X	X	X													
HA-4	S	5.9.25	8:15	3	Grab	1	X	X	X													
HA-4	S	5.9.25	8:20	4	Grab	1	X	X	X													
HA-5	S	5.9.25	8:25	0.5	Grab	1	X	X	X													

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed		Hg: 1631 / 245.1 / 7470 / 7471																														

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6					



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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

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

Project Name:	Flagler 8 Federal #012H	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST													Preservative Codes				
Project Number:	372	Due Date:	Routine TAT																None: NO	DI Water: H ₂ O		
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm																	Cool: Cool	MeOH: Me		
Sampler's Name:	Gilbert Moreno, Santiago Giron																		HCL: HC	HNO ₃ : HN		
POWOW #:																			H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No																	H ₃ PO ₄ : HP			
Samples Received Inact:	Yes ☒ No ☒	Thermometer ID:	T																NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes ☒ No ☒	Correction Factor:	T ₁ = 1																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes ☒ No ☒	Temperature Reading:	-0.6																Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:	-0.6																NaOH+Ascorbic Acid: SAPC			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush											Sample Comments
HA-5	S	5.9.25	8:30	1	Grab	1	X	X	X								Incident Number					
HA-5	S	5.9.25	8:35	2	Grab	1	X	X	X								nAPP2512561686					
HA-5	S	5.9.25	8:40	3	Grab	1	X	X	X													
HA-5	S	5.9.25	8:45	4	Grab	1	X	X	X													
HA-6	S	5.9.25	8:50	0.5	Grab	1	X	X	X													
HA-6	S	5.9.25	8:55	1	Grab	1	X	X	X													
HA-7	S	5.9.25	9:00	0.5	Grab	1	X	X	X													
HA-7	S	5.9.25	9:10	2	Grab	1	X	X	X													
HA-7	S	5.9.25	9:20	4	Grab	1	X	X	X													

Total 200.7 / 6010 200.8 / 6020:

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

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

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

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
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gimoreno@earthsys.net

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

Project Name:		Flagler 8 Federal #012H		Turn Around		ANALYSIS REQUEST										Preservative Codes		
Project Number:		372		☒ Routine ☐ Rush		Pres. Code											None: NO	DI Water: H ₂ O
Project Location:		Lea County, NM		Due Date:		Routine TAT											Good: Cool	MeOH: Me
Sampler's Name:		Gilbert Moreno, Santiago Giron		TAT starts the day received by the lab, if received by 4:30pm													HCl: HC	HNO ₃ : HN
POW0 #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No								H ₃ PO ₄ : HP		
Samples Received Intact:		Yes No		Thermometer ID:												NaHSO ₄ : NABIS		
Cooler Custody Seals:		Yes No		N/A		Correction Factor:										Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:		Yes No		N/A		Temperature Reading:										Zn Acetate+NaOH: Zn		
Total Containers:						Corrected Temperature:										NaOH+Ascorbic Acid: SAPC		

[illegible]

Total 200.7 / 6010 200.8 / 6020:

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

Hg: 1631 / 245.1 / 7470 / 7471

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

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Chain of Custody

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
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	jmoreno@earthsys.net

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

Project Name:	Flagler 8 Federal #012H	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number:	372	☒ Routine ☐ Rush																		None: NO	DI Water: H ₂ O		
Project Location:	Lea County, NM	Due Date:	Routine TAT																	COOL: COOL	MeOH: Me		
Sampler's Name:	Gilbert Moreno, Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC	HNO ₃ : HN		
POWOW #:		Temp Blank:	Yes No	Wet Ice:	Yes No																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Thermometer ID:																				H ₃ PO ₄ : HP	
Samples Received Inact:	Yes No	Correction Factor:																				NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No N/A	Temperature Reading:																				Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No N/A	Corrected Temperature:																				Zn Acetate+NaOH: Zn	
Total Containers:																						NaOH+Ascorbic Acid: SAPC	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush											Sample Comments	
HA-11	S	5.9.25	10:30	0.5	Grab	1	X	X	X								Incident Number						
HA-11	S	5.9.25	10:35	2	Grab	1	X	X	X								nAPP2512561686						
HA-11	S	5.9.25	10:40	4	Grab	1	X	X	X														
HA-12	S	5.9.25	10:45	0.5	Grab	1	X	X	X														
HA-12	S	5.9.25	10:50	2	Grab	1	X	X	X														
HA-12	S	5.9.25	10:55	4	Grab	1	X	X	X														
HA-13	S	5.9.25	11:00	0.5	Grab	1	X	X	X														
HA-13	S	5.9.25	11:05	2	Grab	1	X	X	X														
HA-13	S	5.9.25	11:10	4	Grab	1	X	X	X														

Total 200.7 / 6010 200.8 / 6020:

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

Hg: 1631 / 245.1 / 7470 / 7471

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

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

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
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gimoreno@earthsys.net

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

[illegible]

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 Ti Sn U V Zn

Hg: 1631 / 245.1 / 7470 / 7471

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		SL9 1448			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8144-1

SDG Number: Lea County, NM

Login Number: 8144

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.	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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8144-1

SDG Number: Lea County, NM

Login Number: 8144

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 05/10/25 12:40 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	



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Flagler 8 Federal #012H
Lea County, NM

JOB NUMBER

890-8700-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

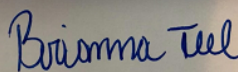
Eurofins Carlsbad

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
(432)704-5440

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Laboratory Job ID: 890-8700-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	34
QC Sample Results	37
QC Association Summary	48
Lab Chronicle	56
Certification Summary	66
Method Summary	67
Sample Summary	68
Chain of Custody	69
Receipt Checklists	75

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.

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: Flagler 8 Federal #012H

Job ID: 890-8700-1

Job ID: 890-8700-1

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Job Narrative 890-8700-1

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

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

Receipt

The samples were received on 8/20/2025 3:00 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 -7.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 1 (890-8700-1), CS - 2 (890-8700-2), CS - 4 (890-8700-3), CS - 5 (890-8700-4), CS - 6 (890-8700-5), CS - 8 (890-8700-6), CS - 10 (890-8700-7), CS - 12 (890-8700-8), CS - 13 (890-8700-9), CS - 14 (890-8700-10), CS - 15 (890-8700-11), CS - 16 (890-8700-12), CS - 17 (890-8700-13), CS - 18 (890-8700-14), CS - 19 (890-8700-15), CS - 20 (890-8700-16), CS - 21 (890-8700-17), CS - 22 (890-8700-18), CS - 23 (890-8700-19), CS - 24 (890-8700-20), CS - 25 (890-8700-21), CS - 26 (890-8700-22), CS - 27 (890-8700-23), CS - 28 (890-8700-24), CS - 30 (890-8700-25), CS - 31 (890-8700-26), CS - 32 (890-8700-27), CS - 33 (890-8700-28), CS - 3 (890-8700-29), CS - 7 (890-8700-30), CS - 9 (890-8700-31), CS - 11 (890-8700-32) and CS - 29 (890-8700-33).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-117214 and analytical batch 880-117423 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS - 27 (890-8700-23), CS - 28 (890-8700-24), CS - 30 (890-8700-25), CS - 31 (890-8700-26), CS - 32 (890-8700-27), CS - 33 (890-8700-28), CS - 3 (890-8700-29), CS - 7 (890-8700-30), CS - 9 (890-8700-31), CS - 11 (890-8700-32), CS - 29 (890-8700-33), (CCV 880-117423/20), (CCV 880-117423/33) and (890-8700-A-21-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117214 and analytical batch 880-117423 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 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-117214/1-A) and (LCSD 880-117214/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Spike compounds were inadvertently omitted during the extraction process for the matrix spike duplicate (MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-117214 and analytical batch 880-117423. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-117214 and analytical batch 880-117423 recovered outside control limits for the following analytes: Benzene and o-Xylene. Since only an acceptable LCS is required per the method, the data has been qualified and reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117213 and analytical batch 880-117406 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.

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Case Narrative

Client: Earth Systems Response and Restoration
Project: Flagler 8 Federal #012H

Job ID: 890-8700-1

Job ID: 890-8700-1 (Continued)

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Method 8021B: Surrogate recovery for the following sample was outside control limits: CS - 24 (890-8700-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS - 4 (890-8700-3). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-8700-A-2-E MS) and (890-8700-A-2-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117191 and 880-117195 and analytical batch 880-117413 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.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117231 and analytical batch 880-117348 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: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 1

Lab Sample ID: 890-8700-1

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 F1	0.00200		mg/Kg		08/21/25 09:57	08/24/25 16:00	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		08/21/25 09:57	08/24/25 16:00	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		08/21/25 09:57	08/24/25 16:00	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		08/21/25 09:57	08/24/25 16:00	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		08/21/25 09:57	08/24/25 16:00	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		08/21/25 09:57	08/24/25 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/21/25 09:57	08/24/25 16:00	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/21/25 09:57	08/24/25 16:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/24/25 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/22/25 04:39	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		08/21/25 08:12	08/22/25 04:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:12	08/22/25 04:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:12	08/22/25 04:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	08/21/25 08:12	08/22/25 04:39	1
o-Terphenyl	93		70 - 130	08/21/25 08:12	08/22/25 04:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.1		10.1		mg/Kg			08/22/25 07:59	1

Client Sample ID: CS - 2

Lab Sample ID: 890-8700-2

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 16:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 16:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 16:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 16:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 16:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/21/25 09:57	08/24/25 16:21	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 2

Lab Sample ID: 890-8700-2

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	114		70 - 130	08/21/25 09:57	08/24/25 16:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/22/25 11:55	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	<50.3	U	50.3		mg/Kg		08/22/25 10:56	08/22/25 11:55	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/22/25 10:56	08/22/25 11:55	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/22/25 10:56	08/22/25 11:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/22/25 10:56	08/22/25 11:55	1
o-Terphenyl	122		70 - 130				08/22/25 10:56	08/22/25 11:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.4		10.0		mg/Kg			08/22/25 08:22	1

Client Sample ID: CS - 4

Lab Sample ID: 890-8700-3

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 16:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 16:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 16:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/21/25 09:57	08/24/25 16:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 16:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/21/25 09:57	08/24/25 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/21/25 09:57	08/24/25 16:41	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/21/25 09:57	08/24/25 16:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/24/25 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/22/25 05:12	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 4

Lab Sample ID: 890-8700-3

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/21/25 08:12	08/22/25 05:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:12	08/22/25 05:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:12	08/22/25 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/21/25 08:12	08/22/25 05:12	1
o-Terphenyl	69	S1-	70 - 130				08/21/25 08:12	08/22/25 05:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.9		9.98		mg/Kg			08/22/25 08:30	1

Client Sample ID: CS - 5

Lab Sample ID: 890-8700-4

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 17:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 17:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 17:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 09:57	08/24/25 17:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 17:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 09:57	08/24/25 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/21/25 09:57	08/24/25 17:02	1
1,4-Difluorobenzene (Surr)	119		70 - 130				08/21/25 09:57	08/24/25 17:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/24/25 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	297		50.0		mg/Kg			08/22/25 05:27	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	<50.0	U	50.0		mg/Kg		08/21/25 08:12	08/22/25 05:27	1
Diesel Range Organics (Over C10-C28)	297		50.0		mg/Kg		08/21/25 08:12	08/22/25 05:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:12	08/22/25 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/21/25 08:12	08/22/25 05:27	1
o-Terphenyl	82		70 - 130				08/21/25 08:12	08/22/25 05:27	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 5

Lab Sample ID: 890-8700-4

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2250		49.8		mg/Kg			08/22/25 08:37	5

Client Sample ID: CS - 6

Lab Sample ID: 890-8700-5

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 17:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 17:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 17:22	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/21/25 09:57	08/24/25 17:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 17:22	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/21/25 09:57	08/24/25 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/21/25 09:57	08/24/25 17:22	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/21/25 09:57	08/24/25 17:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/24/25 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.8		49.8		mg/Kg			08/22/25 05:43	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		08/21/25 08:12	08/22/25 05:43	1
Diesel Range Organics (Over C10-C28)	94.8		49.8		mg/Kg		08/21/25 08:12	08/22/25 05:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:12	08/22/25 05:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/21/25 08:12	08/22/25 05:43	1
o-Terphenyl	81		70 - 130				08/21/25 08:12	08/22/25 05:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		9.94		mg/Kg			08/22/25 08:45	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 8

Lab Sample ID: 890-8700-6

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 17:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 17:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 17:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 17:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 17:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/21/25 09:57	08/24/25 17:43	1
1,4-Difluorobenzene (Surr)	118		70 - 130	08/21/25 09:57	08/24/25 17:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/22/25 05:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/21/25 08:12	08/22/25 05:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:12	08/22/25 05:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:12	08/22/25 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	08/21/25 08:12	08/22/25 05:59	1
o-Terphenyl	78		70 - 130	08/21/25 08:12	08/22/25 05:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			08/22/25 09:08	1

Client Sample ID: CS - 10

Lab Sample ID: 890-8700-7

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 18:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 18:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 18:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/21/25 09:57	08/24/25 18:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 18:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/21/25 09:57	08/24/25 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/21/25 09:57	08/24/25 18:03	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 10

Lab Sample ID: 890-8700-7

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	114		70 - 130	08/21/25 09:57	08/24/25 18:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/24/25 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.8		49.8		mg/Kg			08/22/25 06:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 08:12	08/22/25 06:15	1
Diesel Range Organics (Over C10-C28)	69.8		49.8		mg/Kg		08/21/25 08:12	08/22/25 06:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:12	08/22/25 06:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/21/25 08:12	08/22/25 06:15	1
o-Terphenyl	89		70 - 130				08/21/25 08:12	08/22/25 06:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	382		9.96		mg/Kg			08/22/25 09:15	1

Client Sample ID: CS - 12

Lab Sample ID: 890-8700-8

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 09:57	08/24/25 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 09:57	08/24/25 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/21/25 09:57	08/24/25 18:24	1
1,4-Difluorobenzene (Surr)	118		70 - 130	08/21/25 09:57	08/24/25 18:24	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			08/24/25 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/22/25 06:32	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 12

Lab Sample ID: 890-8700-8

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:12	08/22/25 06:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:12	08/22/25 06:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:12	08/22/25 06:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				08/21/25 08:12	08/22/25 06:32	1
o-Terphenyl	85		70 - 130				08/21/25 08:12	08/22/25 06:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.0		9.92		mg/Kg			08/22/25 09:23	1

Client Sample ID: CS - 13

Lab Sample ID: 890-8700-9

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 18:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 18:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 18:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/21/25 09:57	08/24/25 18:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 18:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/21/25 09:57	08/24/25 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/21/25 09:57	08/24/25 18:44	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/21/25 09:57	08/24/25 18:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/24/25 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	257		49.8		mg/Kg			08/22/25 06:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 08:12	08/22/25 06:47	1
Diesel Range Organics (Over C10-C28)	257		49.8		mg/Kg		08/21/25 08:12	08/22/25 06:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:12	08/22/25 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				08/21/25 08:12	08/22/25 06:47	1
o-Terphenyl	95		70 - 130				08/21/25 08:12	08/22/25 06:47	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 13

Lab Sample ID: 890-8700-9

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2110		49.5		mg/Kg			08/22/25 09:30	5

Client Sample ID: CS - 14

Lab Sample ID: 890-8700-10

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 19:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 19:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 19:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 19:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 19:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/21/25 09:57	08/24/25 19:05	1
1,4-Difluorobenzene (Surr)	120		70 - 130				08/21/25 09:57	08/24/25 19:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	223		50.0		mg/Kg			08/23/25 13:24	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	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 13:24	1
Diesel Range Organics (Over C10-C28)	223	F1	50.0		mg/Kg		08/21/25 08:14	08/23/25 13:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/21/25 08:14	08/23/25 13:24	1
o-Terphenyl	85		70 - 130				08/21/25 08:14	08/23/25 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	517		9.96		mg/Kg			08/22/25 09:38	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 15

Lab Sample ID: 890-8700-11

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 20:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 20:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 20:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/21/25 09:57	08/24/25 20:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/21/25 09:57	08/24/25 20:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/21/25 09:57	08/24/25 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/21/25 09:57	08/24/25 20:39	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/21/25 09:57	08/24/25 20:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/24/25 20:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/25 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 14:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 14:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	08/21/25 08:14	08/23/25 14:11	1
o-Terphenyl	82		70 - 130	08/21/25 08:14	08/23/25 14:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.2		9.98		mg/Kg			08/22/25 09:46	1

Client Sample ID: CS - 16

Lab Sample ID: 890-8700-12

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 21:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 21:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 21:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/21/25 09:57	08/24/25 21:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 21:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/21/25 09:57	08/24/25 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/21/25 09:57	08/24/25 21:00	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 16

Lab Sample ID: 890-8700-12

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	113		70 - 130	08/21/25 09:57	08/24/25 21:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/24/25 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	427		49.9		mg/Kg			08/23/25 14:27	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	<49.9	U	49.9		mg/Kg		08/21/25 08:14	08/23/25 14:27	1
Diesel Range Organics (Over C10-C28)	427		49.9		mg/Kg		08/21/25 08:14	08/23/25 14:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:14	08/23/25 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/21/25 08:14	08/23/25 14:27	1
o-Terphenyl	95		70 - 130				08/21/25 08:14	08/23/25 14:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1840		49.6		mg/Kg			08/22/25 10:08	5

Client Sample ID: CS - 17

Lab Sample ID: 890-8700-13

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 21:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 21:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 21:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 09:57	08/24/25 21:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 21:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 09:57	08/24/25 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/21/25 09:57	08/24/25 21:20	1
1,4-Difluorobenzene (Surr)	120		70 - 130	08/21/25 09:57	08/24/25 21:20	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			08/24/25 21:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	80.1		50.0		mg/Kg			08/23/25 14:42	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 17

Lab Sample ID: 890-8700-13

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 14:42	1
Diesel Range Organics (Over C10-C28)	80.1		50.0		mg/Kg		08/21/25 08:14	08/23/25 14:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/21/25 08:14	08/23/25 14:42	1
o-Terphenyl	85		70 - 130				08/21/25 08:14	08/23/25 14:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	318		9.94		mg/Kg			08/22/25 10:16	1

Client Sample ID: CS - 18

Lab Sample ID: 890-8700-14

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 21:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:57	08/24/25 21:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:57	08/24/25 21:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/25 09:57	08/24/25 21:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:57	08/24/25 21:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 09:57	08/24/25 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				08/21/25 09:57	08/24/25 21:41	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/21/25 09:57	08/24/25 21:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/24/25 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	817		49.9		mg/Kg			08/23/25 14:58	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	<49.9	U	49.9		mg/Kg		08/21/25 08:14	08/23/25 14:58	1
Diesel Range Organics (Over C10-C28)	817		49.9		mg/Kg		08/21/25 08:14	08/23/25 14:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:14	08/23/25 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/21/25 08:14	08/23/25 14:58	1
o-Terphenyl	97		70 - 130				08/21/25 08:14	08/23/25 14:58	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 18

Lab Sample ID: 890-8700-14

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1730		49.7		mg/Kg			08/22/25 10:39	5

Client Sample ID: CS - 19

Lab Sample ID: 890-8700-15

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 22:01	1
Toluene	0.00283		0.00200		mg/Kg		08/21/25 09:57	08/24/25 22:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:57	08/24/25 22:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/25 09:57	08/24/25 22:01	1
o-Xylene	0.0523		0.00200		mg/Kg		08/21/25 09:57	08/24/25 22:01	1
Xylenes, Total	0.0523		0.00399		mg/Kg		08/21/25 09:57	08/24/25 22:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/21/25 09:57	08/24/25 22:01	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/21/25 09:57	08/24/25 22:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0551		0.00399		mg/Kg			08/24/25 22:01	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			08/23/25 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 15:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 15:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/21/25 08:14	08/23/25 15:13	1
o-Terphenyl	89		70 - 130				08/21/25 08:14	08/23/25 15:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		9.92		mg/Kg			08/22/25 10:46	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 20

Lab Sample ID: 890-8700-16

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 22:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 22:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 22:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 22:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 22:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/21/25 09:57	08/24/25 22:22	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/21/25 09:57	08/24/25 22:22	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			08/24/25 22:22	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			08/23/25 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 15:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 15:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	08/21/25 08:14	08/23/25 15:29	1
o-Terphenyl	92		70 - 130	08/21/25 08:14	08/23/25 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		9.90		mg/Kg			08/22/25 10:54	1

Client Sample ID: CS - 21

Lab Sample ID: 890-8700-17

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 22:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 22:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 22:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 22:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 22:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/21/25 09:57	08/24/25 22:42	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 21

Lab Sample ID: 890-8700-17

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	08/21/25 09:57	08/24/25 22:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/23/25 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 08:14	08/23/25 15:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/25 08:14	08/23/25 15:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:14	08/23/25 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/21/25 08:14	08/23/25 15:45	1
o-Terphenyl	82		70 - 130				08/21/25 08:14	08/23/25 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	775		9.90		mg/Kg			08/22/25 11:01	1

Client Sample ID: CS - 22

Lab Sample ID: 890-8700-18

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 23:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 23:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 23:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 09:57	08/24/25 23:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/21/25 09:57	08/24/25 23:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 09:57	08/24/25 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/21/25 09:57	08/24/25 23:03	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/21/25 09:57	08/24/25 23:03	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			08/24/25 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/23/25 16:01	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 22

Lab Sample ID: 890-8700-18

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/21/25 08:14	08/23/25 16:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:14	08/23/25 16:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:14	08/23/25 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/21/25 08:14	08/23/25 16:01	1
o-Terphenyl	83		70 - 130				08/21/25 08:14	08/23/25 16:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		10.0		mg/Kg			08/22/25 11:09	1

Client Sample ID: CS - 23

Lab Sample ID: 890-8700-19

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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		08/21/25 09:57	08/24/25 23:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 23:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 23:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/21/25 09:57	08/24/25 23:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/21/25 09:57	08/24/25 23:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/21/25 09:57	08/24/25 23:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/21/25 09:57	08/24/25 23:23	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/21/25 09:57	08/24/25 23:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/24/25 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/25 16:16	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	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 16:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 16:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 16:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/21/25 08:14	08/23/25 16:16	1
o-Terphenyl	81		70 - 130				08/21/25 08:14	08/23/25 16:16	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 23

Lab Sample ID: 890-8700-19

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	411		10.1		mg/Kg			08/22/25 11:17	1

Client Sample ID: CS - 24

Lab Sample ID: 890-8700-20

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 23:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 23:44	1
Ethylbenzene	0.00246		0.00201		mg/Kg		08/21/25 09:57	08/24/25 23:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 23:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/21/25 09:57	08/24/25 23:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 09:57	08/24/25 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				08/21/25 09:57	08/24/25 23:44	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/21/25 09:57	08/24/25 23:44	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			08/24/25 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	842		50.1		mg/Kg			08/23/25 16:47	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	<50.1	U	50.1		mg/Kg		08/21/25 08:14	08/23/25 16:47	1
Diesel Range Organics (Over C10-C28)	842		50.1		mg/Kg		08/21/25 08:14	08/23/25 16:47	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/21/25 08:14	08/23/25 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/21/25 08:14	08/23/25 16:47	1
o-Terphenyl	121		70 - 130				08/21/25 08:14	08/23/25 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2720		50.4		mg/Kg			08/22/25 11:24	5

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 25

Lab Sample ID: 890-8700-21

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 *1	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/25 10:01	08/23/25 23:44	1
o-Xylene	<0.00200	U *- F1	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/25 10:01	08/23/25 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/21/25 10:01	08/23/25 23:44	1
1,4-Difluorobenzene (Surr)	78		70 - 130	08/21/25 10:01	08/23/25 23:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/25 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.0		50.1		mg/Kg			08/23/25 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/21/25 08:14	08/23/25 17:02	1
Diesel Range Organics (Over C10-C28)	57.0		50.1		mg/Kg		08/21/25 08:14	08/23/25 17:02	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/21/25 08:14	08/23/25 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	08/21/25 08:14	08/23/25 17:02	1
o-Terphenyl	88		70 - 130	08/21/25 08:14	08/23/25 17:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	708	F1	9.96		mg/Kg			08/22/25 10:55	1

Client Sample ID: CS - 26

Lab Sample ID: 890-8700-22

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		08/21/25 10:01	08/24/25 00:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 00:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 00:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 00:04	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		08/21/25 10:01	08/24/25 00:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/21/25 10:01	08/24/25 00:04	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 26

Lab Sample ID: 890-8700-22

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	08/21/25 10:01	08/24/25 00:04	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			08/24/25 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1440		49.9		mg/Kg			08/23/25 17:17	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		08/21/25 08:14	08/23/25 17:17	1
Diesel Range Organics (Over C10-C28)	1390		49.9		mg/Kg		08/21/25 08:14	08/23/25 17:17	1
Oil Range Organics (Over C28-C36)	54.7		49.9		mg/Kg		08/21/25 08:14	08/23/25 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/21/25 08:14	08/23/25 17:17	1
o-Terphenyl	114		70 - 130				08/21/25 08:14	08/23/25 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		9.98		mg/Kg			08/22/25 11:12	1

Client Sample ID: CS - 27

Lab Sample ID: 890-8700-23

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 *1	0.00199		mg/Kg		08/21/25 10:01	08/24/25 00:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/25 10:01	08/24/25 00:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 10:01	08/24/25 00:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 10:01	08/24/25 00:25	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/21/25 10:01	08/24/25 00:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 10:01	08/24/25 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				08/21/25 10:01	08/24/25 00:25	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/21/25 10:01	08/24/25 00:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/24/25 00:25	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 27

Lab Sample ID: 890-8700-23

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1220		49.7		mg/Kg			08/23/25 17:33	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	<49.7	U	49.7		mg/Kg		08/21/25 08:14	08/23/25 17:33	1
Diesel Range Organics (Over C10-C28)	1160		49.7		mg/Kg		08/21/25 08:14	08/23/25 17:33	1
Oil Range Organics (Over C28-C36)	55.6		49.7		mg/Kg		08/21/25 08:14	08/23/25 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/21/25 08:14	08/23/25 17:33	1
o-Terphenyl	108		70 - 130				08/21/25 08:14	08/23/25 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	571		9.94		mg/Kg			08/22/25 11:18	1

Client Sample ID: CS - 28

Lab Sample ID: 890-8700-24

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		08/21/25 10:01	08/24/25 00:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 00:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 00:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 00:45	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		08/21/25 10:01	08/24/25 00:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				08/21/25 10:01	08/24/25 00:45	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/21/25 10:01	08/24/25 00:45	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			08/24/25 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/25 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 17:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 17:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 17:48	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 28

Lab Sample ID: 890-8700-24

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	08/21/25 08:14	08/23/25 17:48	1
o-Terphenyl	83		70 - 130	08/21/25 08:14	08/23/25 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.9		9.92		mg/Kg			08/22/25 11:24	1

Client Sample ID: CS - 30

Lab Sample ID: 890-8700-25

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		08/21/25 10:01	08/24/25 01:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 01:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 01:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 01:06	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		08/21/25 10:01	08/24/25 01:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	08/21/25 10:01	08/24/25 01:06	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/21/25 10:01	08/24/25 01:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	157		49.8		mg/Kg			08/23/25 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 08:14	08/23/25 18:05	1
Diesel Range Organics (Over C10-C28)	157		49.8		mg/Kg		08/21/25 08:14	08/23/25 18:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:14	08/23/25 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	08/21/25 08:14	08/23/25 18:05	1
o-Terphenyl	83		70 - 130	08/21/25 08:14	08/23/25 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		10.0		mg/Kg			08/22/25 11:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 31

Lab Sample ID: 890-8700-26

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 *1	0.00199		mg/Kg		08/21/25 10:01	08/24/25 01:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/25 10:01	08/24/25 01:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 10:01	08/24/25 01:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 10:01	08/24/25 01:26	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/21/25 10:01	08/24/25 01:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 10:01	08/24/25 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	08/21/25 10:01	08/24/25 01:26	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/21/25 10:01	08/24/25 01:26	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			08/24/25 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	334		49.7		mg/Kg			08/23/25 18:20	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	<49.7	U	49.7		mg/Kg		08/21/25 08:14	08/23/25 18:20	1
Diesel Range Organics (Over C10-C28)	334		49.7		mg/Kg		08/21/25 08:14	08/23/25 18:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/21/25 08:14	08/23/25 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	08/21/25 08:14	08/23/25 18:20	1
o-Terphenyl	89		70 - 130	08/21/25 08:14	08/23/25 18:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	954		9.96		mg/Kg			08/22/25 11:46	1

Client Sample ID: CS - 32

Lab Sample ID: 890-8700-27

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 *1	0.00198		mg/Kg		08/21/25 10:01	08/24/25 01:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/21/25 10:01	08/24/25 01:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/21/25 10:01	08/24/25 01:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/21/25 10:01	08/24/25 01:47	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		08/21/25 10:01	08/24/25 01:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/21/25 10:01	08/24/25 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	08/21/25 10:01	08/24/25 01:47	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 32

Lab Sample ID: 890-8700-27

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	80		70 - 130	08/21/25 10:01	08/24/25 01:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/24/25 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1040		49.8		mg/Kg			08/23/25 18:35	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		08/21/25 08:14	08/23/25 18:35	1
Diesel Range Organics (Over C10-C28)	1040		49.8		mg/Kg		08/21/25 08:14	08/23/25 18:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:14	08/23/25 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/21/25 08:14	08/23/25 18:35	1
o-Terphenyl	107		70 - 130				08/21/25 08:14	08/23/25 18:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2090		49.9		mg/Kg			08/22/25 11:52	5

Client Sample ID: CS - 33

Lab Sample ID: 890-8700-28

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 *1	0.00200		mg/Kg		08/21/25 10:01	08/24/25 02:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/24/25 02:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/24/25 02:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/21/25 10:01	08/24/25 02:07	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/21/25 10:01	08/24/25 02:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/21/25 10:01	08/24/25 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	08/21/25 10:01	08/24/25 02:07	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/21/25 10:01	08/24/25 02:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/24/25 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.2		50.0		mg/Kg			08/23/25 18:51	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 33

Lab Sample ID: 890-8700-28

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 18:51	1
Diesel Range Organics (Over C10-C28)	55.2		50.0		mg/Kg		08/21/25 08:14	08/23/25 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/21/25 08:14	08/23/25 18:51	1
o-Terphenyl	80		70 - 130				08/21/25 08:14	08/23/25 18:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	537		9.98		mg/Kg			08/22/25 11:58	1

Client Sample ID: CS - 3

Lab Sample ID: 890-8700-29

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 *1	0.00198		mg/Kg		08/21/25 10:01	08/24/25 02:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/21/25 10:01	08/24/25 02:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/21/25 10:01	08/24/25 02:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/21/25 10:01	08/24/25 02:28	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		08/21/25 10:01	08/24/25 02:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/21/25 10:01	08/24/25 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				08/21/25 10:01	08/24/25 02:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130				08/21/25 10:01	08/24/25 02:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/24/25 02:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	96.6		49.8		mg/Kg			08/23/25 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 08:14	08/23/25 19:07	1
Diesel Range Organics (Over C10-C28)	96.6		49.8		mg/Kg		08/21/25 08:14	08/23/25 19:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:14	08/23/25 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/21/25 08:14	08/23/25 19:07	1
o-Terphenyl	85		70 - 130				08/21/25 08:14	08/23/25 19:07	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 3

Lab Sample ID: 890-8700-29

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		10.0		mg/Kg			08/22/25 12:03	1

Client Sample ID: CS - 7

Lab Sample ID: 890-8700-30

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		08/21/25 10:01	08/24/25 02:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 02:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 02:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 02:48	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		08/21/25 10:01	08/24/25 02:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				08/21/25 10:01	08/24/25 02:48	1
1,4-Difluorobenzene (Surr)	84		70 - 130				08/21/25 10:01	08/24/25 02:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 02:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/25 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		08/21/25 08:18	08/23/25 21:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 21:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/21/25 08:18	08/23/25 21:10	1
o-Terphenyl	88		70 - 130				08/21/25 08:18	08/23/25 21:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.2		10.1		mg/Kg			08/22/25 12:09	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 9

Lab Sample ID: 890-8700-31

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		08/21/25 10:01	08/24/25 04:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 04:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/21/25 10:01	08/24/25 04:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 04:22	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		08/21/25 10:01	08/24/25 04:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/21/25 10:01	08/24/25 04:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	08/21/25 10:01	08/24/25 04:22	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/21/25 10:01	08/24/25 04:22	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			08/24/25 04:22	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			08/23/25 21:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/21/25 08:18	08/23/25 21:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:18	08/23/25 21:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:18	08/23/25 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	08/21/25 08:18	08/23/25 21:58	1
o-Terphenyl	83		70 - 130	08/21/25 08:18	08/23/25 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		10.1		mg/Kg			08/22/25 12:15	1

Client Sample ID: CS - 11

Lab Sample ID: 890-8700-32

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 *1	0.00199		mg/Kg		08/21/25 10:01	08/24/25 04:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/21/25 10:01	08/24/25 04:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/21/25 10:01	08/24/25 04:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/21/25 10:01	08/24/25 04:43	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/21/25 10:01	08/24/25 04:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/21/25 10:01	08/24/25 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	08/21/25 10:01	08/24/25 04:43	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 11

Lab Sample ID: 890-8700-32

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	83		70 - 130	08/21/25 10:01	08/24/25 04:43	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			08/24/25 04:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/25 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/21/25 08:18	08/23/25 22:13	1
o-Terphenyl	87		70 - 130				08/21/25 08:18	08/23/25 22:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2350		50.3		mg/Kg			08/22/25 12:32	5

Client Sample ID: CS - 29

Lab Sample ID: 890-8700-33

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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 *1	0.00200		mg/Kg		08/21/25 10:01	08/24/25 05:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/24/25 05:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/24/25 05:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/24/25 05:03	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/21/25 10:01	08/24/25 05:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/24/25 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	08/21/25 10:01	08/24/25 05:03	1
1,4-Difluorobenzene (Surr)	83		70 - 130	08/21/25 10:01	08/24/25 05:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/24/25 05:03	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			08/23/25 22:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 29

Lab Sample ID: 890-8700-33

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 22:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 22:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/21/25 08:18	08/23/25 22:29	1
o-Terphenyl	85		70 - 130				08/21/25 08:18	08/23/25 22:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	343		9.96		mg/Kg			08/22/25 12:37	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea 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)
890-8700-1	CS - 1	103	117
890-8700-1 MS	CS - 1	112	99
890-8700-1 MSD	CS - 1	117	104
890-8700-2	CS - 2	109	114
890-8700-3	CS - 4	100	113
890-8700-4	CS - 5	106	119
890-8700-5	CS - 6	108	117
890-8700-6	CS - 8	109	118
890-8700-7	CS - 10	108	114
890-8700-8	CS - 12	111	118
890-8700-9	CS - 13	110	117
890-8700-10	CS - 14	117	120
890-8700-11	CS - 15	104	113
890-8700-12	CS - 16	115	113
890-8700-13	CS - 17	116	120
890-8700-14	CS - 18	137 S1+	115
890-8700-15	CS - 19	110	114
890-8700-16	CS - 20	115	111
890-8700-17	CS - 21	111	110
890-8700-18	CS - 22	111	117
890-8700-19	CS - 23	113	114
890-8700-20	CS - 24	134 S1+	117
890-8700-21	CS - 25	119	78
890-8700-21 MS	CS - 25	140 S1+	85
890-8700-21 MSD	CS - 25	124	81
890-8700-22	CS - 26	118	94
890-8700-23	CS - 27	138 S1+	88
890-8700-24	CS - 28	137 S1+	85
890-8700-25	CS - 30	138 S1+	86
890-8700-26	CS - 31	141 S1+	86
890-8700-27	CS - 32	148 S1+	80
890-8700-28	CS - 33	146 S1+	86
890-8700-29	CS - 3	149 S1+	86
890-8700-30	CS - 7	150 S1+	84
890-8700-31	CS - 9	148 S1+	90
890-8700-32	CS - 11	137 S1+	83
890-8700-33	CS - 29	136 S1+	83
LCS 880-117213/1-A	Lab Control Sample	113	113
LCS 880-117214/1-A	Lab Control Sample	132 S1+	89
LCSD 880-117213/2-A	Lab Control Sample Dup	109	99
LCSD 880-117214/2-A	Lab Control Sample Dup	138 S1+	89
MB 880-117158/5-A	Method Blank	101	113
MB 880-117213/5-A	Method Blank	98	112
MB 880-117214/5-A	Method Blank	135 S1+	80

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: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea 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)
890-8700-1	CS - 1	101	93
890-8700-2	CS - 2	123	122
890-8700-2 MS	CS - 2	138 S1+	128
890-8700-2 MSD	CS - 2	138 S1+	128
890-8700-3	CS - 4	80	69 S1-
890-8700-4	CS - 5	87	82
890-8700-5	CS - 6	85	81
890-8700-6	CS - 8	86	78
890-8700-7	CS - 10	98	89
890-8700-8	CS - 12	96	85
890-8700-9	CS - 13	96	95
890-8700-10	CS - 14	89	85
890-8700-10 MS	CS - 14	83	83
890-8700-10 MSD	CS - 14	83	82
890-8700-11	CS - 15	88	82
890-8700-12	CS - 16	100	95
890-8700-13	CS - 17	91	85
890-8700-14	CS - 18	88	97
890-8700-15	CS - 19	103	89
890-8700-16	CS - 20	102	92
890-8700-17	CS - 21	88	82
890-8700-18	CS - 22	87	83
890-8700-19	CS - 23	85	81
890-8700-20	CS - 24	115	121
890-8700-21	CS - 25	94	88
890-8700-22	CS - 26	86	114
890-8700-23	CS - 27	85	108
890-8700-24	CS - 28	88	83
890-8700-25	CS - 30	88	83
890-8700-26	CS - 31	89	89
890-8700-27	CS - 32	92	107
890-8700-28	CS - 33	86	80
890-8700-29	CS - 3	90	85
890-8700-30	CS - 7	93	88
890-8700-30 MS	CS - 7	83	85
890-8700-30 MSD	CS - 7	95	94
890-8700-31	CS - 9	96	83
890-8700-32	CS - 11	91	87
890-8700-33	CS - 29	94	85
LCS 880-117186/2-A	Lab Control Sample	103	81
LCS 880-117191/2-A	Lab Control Sample	100	91
LCS 880-117195/2-A	Lab Control Sample	76	78
LCS 880-117368/2-A	Lab Control Sample	129	118
LCSD 880-117186/3-A	Lab Control Sample Dup	83	81
LCSD 880-117191/3-A	Lab Control Sample Dup	83	84
LCSD 880-117195/3-A	Lab Control Sample Dup	77	79
LCSD 880-117368/3-A	Lab Control Sample Dup	117	108
MB 880-117186/1-A	Method Blank	92	84
MB 880-117191/1-A	Method Blank	100	91
MB 880-117195/1-A	Method Blank	87	83

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea 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)		
MB 880-117368/1-A	Method Blank	124	123		
Surrogate Legend					
1CO = 1-Chlorooctane					
OTPH = o-Terphenyl					

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117158/5-A

Matrix: Solid

Analysis Batch: 117406

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/25 11:31	08/24/25 04:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/25 11:31	08/24/25 04:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/25 11:31	08/24/25 04:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/20/25 11:31	08/24/25 04:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/25 11:31	08/24/25 04:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/20/25 11:31	08/24/25 04:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/20/25 11:31	08/24/25 04:39	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/20/25 11:31	08/24/25 04:39	1

Lab Sample ID: MB 880-117213/5-A

Matrix: Solid

Analysis Batch: 117406

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:57	08/24/25 15:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:57	08/24/25 15:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:57	08/24/25 15:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/25 09:57	08/24/25 15:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 09:57	08/24/25 15:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 09:57	08/24/25 15:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/21/25 09:57	08/24/25 15:39	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/21/25 09:57	08/24/25 15:39	1

Lab Sample ID: LCS 880-117213/1-A

Matrix: Solid

Analysis Batch: 117406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1163		mg/Kg		116	70 - 130
Toluene	0.100	0.09958		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09536		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2003		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-117213/2-A

Matrix: Solid

Analysis Batch: 117406

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117213

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09950		mg/Kg		100	70 - 130	16	35

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-117213/2-A

Matrix: Solid

Analysis Batch: 117406

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117213

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1019		mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.09676		mg/Kg		97	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2067		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-8700-1 MS

Matrix: Solid

Analysis Batch: 117406

Client Sample ID: CS - 1

Prep Type: Total/NA

Prep Batch: 117213

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.06638	F1	mg/Kg		66	70 - 130
Toluene	<0.00200	U F1	0.100	0.06144	F1	mg/Kg		61	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.04059	F1	mg/Kg		41	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.07676	F1	mg/Kg		38	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05800	F1	mg/Kg		58	70 - 130

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

Lab Sample ID: 890-8700-1 MSD

Matrix: Solid

Analysis Batch: 117406

Client Sample ID: CS - 1

Prep Type: Total/NA

Prep Batch: 117213

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.08322		mg/Kg		83	70 - 130	23	35
Toluene	<0.00200	U F1	0.100	0.07177		mg/Kg		72	70 - 130	16	35
Ethylbenzene	<0.00200	U F1	0.100	0.03942	F1	mg/Kg		39	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.07008	F1	mg/Kg		35	70 - 130	9	35
o-Xylene	<0.00200	U F1	0.100	0.06954		mg/Kg		70	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-117214/5-A

Matrix: Solid

Analysis Batch: 117423

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/23/25 23:22	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-117214/5-A

Matrix: Solid

Analysis Batch: 117423

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/23/25 23:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	08/21/25 10:01	08/23/25 23:22	1
1,4-Difluorobenzene (Surr)	80		70 - 130	08/21/25 10:01	08/23/25 23:22	1

Lab Sample ID: LCS 880-117214/1-A

Matrix: Solid

Analysis Batch: 117423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1085		mg/Kg		108	70 - 130
Toluene	0.100	0.1044		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2146		mg/Kg		107	70 - 130
o-Xylene	0.100	0.08738		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-117214/2-A

Matrix: Solid

Analysis Batch: 117423

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117214

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07576	*1	mg/Kg		76	70 - 130	36	35
Toluene	0.100	0.07358		mg/Kg		74	70 - 130	35	35
Ethylbenzene	0.100	0.07568		mg/Kg		76	70 - 130	35	35
m-Xylene & p-Xylene	0.200	0.1502		mg/Kg		75	70 - 130	35	35
o-Xylene	0.100	0.06311	*-	mg/Kg		63	70 - 130	32	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-8700-21 MS

Matrix: Solid

Analysis Batch: 117423

Client Sample ID: CS - 25

Prep Type: Total/NA

Prep Batch: 117214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *1	0.100	0.07178		mg/Kg		72	70 - 130
Toluene	<0.00200	U	0.100	0.07401		mg/Kg		74	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07736		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1537		mg/Kg		77	70 - 130
o-Xylene	<0.00200	U *- F1	0.100	0.06559	F1	mg/Kg		66	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8700-21 MS

Matrix: Solid

Analysis Batch: 117423

Client Sample ID: CS - 25

Prep Type: Total/NA

Prep Batch: 117214

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 890-8700-21 MSD

Matrix: Solid

Analysis Batch: 117423

Client Sample ID: CS - 25

Prep Type: Total/NA

Prep Batch: 117214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00200	U	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00399	U	0.200	<0.00400	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00200	U *- F1	0.100	<0.00200	U F1	mg/Kg		0	70 - 130	NC	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

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

Lab Sample ID: MB 880-117186/1-A

Matrix: Solid

Analysis Batch: 117312

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:12	08/22/25 00:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:12	08/22/25 00:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:12	08/22/25 00:06	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	92		70 - 130				08/21/25 08:12	08/22/25 00:06	1
o-Terphenyl	84		70 - 130				08/21/25 08:12	08/22/25 00:06	1

Lab Sample ID: LCS 880-117186/2-A

Matrix: Solid

Analysis Batch: 117312

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	957.8		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	868.8		mg/Kg		87	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	81		70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-117186/3-A

Matrix: Solid

Analysis Batch: 117312

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117186

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	942.6		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	897.5		mg/Kg		90	70 - 130	3	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	83		70 - 130						
o-Terphenyl	81		70 - 130						

Lab Sample ID: MB 880-117191/1-A

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 10:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 10:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:14	08/23/25 10:08	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/21/25 08:14	08/23/25 10:08	1
o-Terphenyl	91		70 - 130				08/21/25 08:14	08/23/25 10:08	1

Lab Sample ID: LCS 880-117191/2-A

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	988.1		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	860.2		mg/Kg		86	70 - 130		
Surrogate	%Recovery	LCS Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	91		70 - 130						

Lab Sample ID: LCSD 880-117191/3-A

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	847.5		mg/Kg		85	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	768.4		mg/Kg		77	70 - 130	11	20

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-117191/3-A

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117191

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-8700-10 MS

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: CS - 14

Prep Type: Total/NA

Prep Batch: 117191

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	755.2		mg/Kg		76	70 - 130	
Diesel Range Organics (Over C10-C28)	223	F1	1000	884.2	F1	mg/Kg		66	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	83		70 - 130							
o-Terphenyl	83		70 - 130							

Lab Sample ID: 890-8700-10 MSD

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: CS - 14

Prep Type: Total/NA

Prep Batch: 117191

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	754.9		mg/Kg		75	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	223	F1	1000	876.4	F1	mg/Kg		65	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	83		70 - 130									
o-Terphenyl	82		70 - 130									

Lab Sample ID: MB 880-117195/1-A

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117195

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 20:24	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 20:24	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:18	08/23/25 20:24	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	87		70 - 130				08/21/25 08:18	08/23/25 20:24	1		
o-Terphenyl	83		70 - 130				08/21/25 08:18	08/23/25 20:24	1		

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-117195/2-A

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117195

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	857.7		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	848.7		mg/Kg		85	70 - 130
		LCS	LCS				
		%Recovery	Qualifier				
Surrogate			Limits				
1-Chlorooctane		76	70 - 130				
o-Terphenyl		78	70 - 130				

Lab Sample ID: LCSD 880-117195/3-A

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117195

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.7		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	850.7		mg/Kg		85	70 - 130	0	20
		LCSD	LCSD						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		77	70 - 130						
o-Terphenyl		79	70 - 130						

Lab Sample ID: 890-8700-30 MS

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: CS - 7

Prep Type: Total/NA

Prep Batch: 117195

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	729.2		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	683.9	F1	mg/Kg		66	70 - 130
		MS	MS						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		83	70 - 130						
o-Terphenyl		85	70 - 130						

Lab Sample ID: 890-8700-30 MSD

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: CS - 7

Prep Type: Total/NA

Prep Batch: 117195

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	853.6		mg/Kg		85	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	795.9		mg/Kg		78	70 - 130	15	20
		MSD	MSD								
		%Recovery	Qualifier								
Surrogate			Limits								
1-Chlorooctane		95	70 - 130								

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8700-30 MSD

Matrix: Solid

Analysis Batch: 117413

Client Sample ID: CS - 7

Prep Type: Total/NA

Prep Batch: 117195

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	94		70 - 130

Lab Sample ID: MB 880-117368/1-A

Matrix: Solid

Analysis Batch: 117369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117368

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 10:56	08/22/25 06:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 10:56	08/22/25 06:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 10:56	08/22/25 06:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				08/22/25 10:56	08/22/25 06:48	1
<i>o</i> -Terphenyl	123		70 - 130				08/22/25 10:56	08/22/25 06:48	1

Lab Sample ID: LCS 880-117368/2-A

Matrix: Solid

Analysis Batch: 117369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1277		mg/Kg		128	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	129		70 - 130				
<i>o</i> -Terphenyl	118		70 - 130				

Lab Sample ID: LCSD 880-117368/3-A

Matrix: Solid

Analysis Batch: 117369

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117368

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1169		mg/Kg		117	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	984.2		mg/Kg		98	70 - 130	6	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
<i>o</i> -Terphenyl	108		70 - 130						

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8700-2 MS

Matrix: Solid

Analysis Batch: 117369

Client Sample ID: CS - 2

Prep Type: Total/NA

Prep Batch: 117368

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	1277		mg/Kg		126	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1007		mg/Kg		101	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	138	S1+	70 - 130						
o-Terphenyl	128		70 - 130						

Lab Sample ID: 890-8700-2 MSD

Matrix: Solid

Analysis Batch: 117369

Client Sample ID: CS - 2

Prep Type: Total/NA

Prep Batch: 117368

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	998	1285		mg/Kg		127	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.3	U	998	1002		mg/Kg		100	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	138	S1+	70 - 130								
o-Terphenyl	128		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117228/1-A

Matrix: Solid

Analysis Batch: 117320

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/22/25 07:36	1

Lab Sample ID: LCS 880-117228/2-A

Matrix: Solid

Analysis Batch: 117320

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-117228/3-A

Matrix: Solid

Analysis Batch: 117320

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	254.7		mg/Kg		102	90 - 110	6	20

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8700-1 MS

Matrix: Solid

Analysis Batch: 117320

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	72.1		252	328.7		mg/Kg		102	90 - 110		

Lab Sample ID: 890-8700-1 MSD

Matrix: Solid

Analysis Batch: 117320

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	72.1		252	323.9		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-8700-11 MS

Matrix: Solid

Analysis Batch: 117320

Client Sample ID: CS - 15

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	13.2		250	260.1		mg/Kg		99	90 - 110		

Lab Sample ID: 890-8700-11 MSD

Matrix: Solid

Analysis Batch: 117320

Client Sample ID: CS - 15

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.2		250	256.0		mg/Kg		97	90 - 110	2	20

Lab Sample ID: MB 880-117231/1-A

Matrix: Solid

Analysis Batch: 117348

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/22/25 10:38	1

Lab Sample ID: LCS 880-117231/2-A

Matrix: Solid

Analysis Batch: 117348

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	235.8		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-117231/3-A

Matrix: Solid

Analysis Batch: 117348

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	236.4		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-8700-21 MS

Matrix: Solid

Analysis Batch: 117348

Client Sample ID: CS - 25

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	708	F1	249	932.4		mg/Kg		90	90 - 110		

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8700-21 MSD										Client Sample ID: CS - 25		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 117348												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	708	F1	249	928.3	F1	mg/Kg		88	90 - 110	0	20	

Lab Sample ID: 890-8700-31 MS										Client Sample ID: CS - 9		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 117348												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	420		252	658.1		mg/Kg		94	90 - 110			

Lab Sample ID: 890-8700-31 MSD										Client Sample ID: CS - 9		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 117348												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	420		252	658.7		mg/Kg		95	90 - 110	0	20	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

GC VOA

Prep Batch: 117158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-117158/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 117213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-1	CS - 1	Total/NA	Solid	5035	
890-8700-2	CS - 2	Total/NA	Solid	5035	
890-8700-3	CS - 4	Total/NA	Solid	5035	
890-8700-4	CS - 5	Total/NA	Solid	5035	
890-8700-5	CS - 6	Total/NA	Solid	5035	
890-8700-6	CS - 8	Total/NA	Solid	5035	
890-8700-7	CS - 10	Total/NA	Solid	5035	
890-8700-8	CS - 12	Total/NA	Solid	5035	
890-8700-9	CS - 13	Total/NA	Solid	5035	
890-8700-10	CS - 14	Total/NA	Solid	5035	
890-8700-11	CS - 15	Total/NA	Solid	5035	
890-8700-12	CS - 16	Total/NA	Solid	5035	
890-8700-13	CS - 17	Total/NA	Solid	5035	
890-8700-14	CS - 18	Total/NA	Solid	5035	
890-8700-15	CS - 19	Total/NA	Solid	5035	
890-8700-16	CS - 20	Total/NA	Solid	5035	
890-8700-17	CS - 21	Total/NA	Solid	5035	
890-8700-18	CS - 22	Total/NA	Solid	5035	
890-8700-19	CS - 23	Total/NA	Solid	5035	
890-8700-20	CS - 24	Total/NA	Solid	5035	
MB 880-117213/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117213/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117213/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8700-1 MS	CS - 1	Total/NA	Solid	5035	
890-8700-1 MSD	CS - 1	Total/NA	Solid	5035	

Prep Batch: 117214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-21	CS - 25	Total/NA	Solid	5035	
890-8700-22	CS - 26	Total/NA	Solid	5035	
890-8700-23	CS - 27	Total/NA	Solid	5035	
890-8700-24	CS - 28	Total/NA	Solid	5035	
890-8700-25	CS - 30	Total/NA	Solid	5035	
890-8700-26	CS - 31	Total/NA	Solid	5035	
890-8700-27	CS - 32	Total/NA	Solid	5035	
890-8700-28	CS - 33	Total/NA	Solid	5035	
890-8700-29	CS - 3	Total/NA	Solid	5035	
890-8700-30	CS - 7	Total/NA	Solid	5035	
890-8700-31	CS - 9	Total/NA	Solid	5035	
890-8700-32	CS - 11	Total/NA	Solid	5035	
890-8700-33	CS - 29	Total/NA	Solid	5035	
MB 880-117214/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117214/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117214/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8700-21 MS	CS - 25	Total/NA	Solid	5035	
890-8700-21 MSD	CS - 25	Total/NA	Solid	5035	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 117406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-1	CS - 1	Total/NA	Solid	8021B	117213
890-8700-2	CS - 2	Total/NA	Solid	8021B	117213
890-8700-3	CS - 4	Total/NA	Solid	8021B	117213
890-8700-4	CS - 5	Total/NA	Solid	8021B	117213
890-8700-5	CS - 6	Total/NA	Solid	8021B	117213
890-8700-6	CS - 8	Total/NA	Solid	8021B	117213
890-8700-7	CS - 10	Total/NA	Solid	8021B	117213
890-8700-8	CS - 12	Total/NA	Solid	8021B	117213
890-8700-9	CS - 13	Total/NA	Solid	8021B	117213
890-8700-10	CS - 14	Total/NA	Solid	8021B	117213
890-8700-11	CS - 15	Total/NA	Solid	8021B	117213
890-8700-12	CS - 16	Total/NA	Solid	8021B	117213
890-8700-13	CS - 17	Total/NA	Solid	8021B	117213
890-8700-14	CS - 18	Total/NA	Solid	8021B	117213
890-8700-15	CS - 19	Total/NA	Solid	8021B	117213
890-8700-16	CS - 20	Total/NA	Solid	8021B	117213
890-8700-17	CS - 21	Total/NA	Solid	8021B	117213
890-8700-18	CS - 22	Total/NA	Solid	8021B	117213
890-8700-19	CS - 23	Total/NA	Solid	8021B	117213
890-8700-20	CS - 24	Total/NA	Solid	8021B	117213
MB 880-117158/5-A	Method Blank	Total/NA	Solid	8021B	117158
MB 880-117213/5-A	Method Blank	Total/NA	Solid	8021B	117213
LCS 880-117213/1-A	Lab Control Sample	Total/NA	Solid	8021B	117213
LCSD 880-117213/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117213
890-8700-1 MS	CS - 1	Total/NA	Solid	8021B	117213
890-8700-1 MSD	CS - 1	Total/NA	Solid	8021B	117213

Analysis Batch: 117423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-21	CS - 25	Total/NA	Solid	8021B	117214
890-8700-22	CS - 26	Total/NA	Solid	8021B	117214
890-8700-23	CS - 27	Total/NA	Solid	8021B	117214
890-8700-24	CS - 28	Total/NA	Solid	8021B	117214
890-8700-25	CS - 30	Total/NA	Solid	8021B	117214
890-8700-26	CS - 31	Total/NA	Solid	8021B	117214
890-8700-27	CS - 32	Total/NA	Solid	8021B	117214
890-8700-28	CS - 33	Total/NA	Solid	8021B	117214
890-8700-29	CS - 3	Total/NA	Solid	8021B	117214
890-8700-30	CS - 7	Total/NA	Solid	8021B	117214
890-8700-31	CS - 9	Total/NA	Solid	8021B	117214
890-8700-32	CS - 11	Total/NA	Solid	8021B	117214
890-8700-33	CS - 29	Total/NA	Solid	8021B	117214
MB 880-117214/5-A	Method Blank	Total/NA	Solid	8021B	117214
LCS 880-117214/1-A	Lab Control Sample	Total/NA	Solid	8021B	117214
LCSD 880-117214/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117214
890-8700-21 MS	CS - 25	Total/NA	Solid	8021B	117214
890-8700-21 MSD	CS - 25	Total/NA	Solid	8021B	117214

Analysis Batch: 117497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-1	CS - 1	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 117497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-2	CS - 2	Total/NA	Solid	Total BTEX	
890-8700-3	CS - 4	Total/NA	Solid	Total BTEX	
890-8700-4	CS - 5	Total/NA	Solid	Total BTEX	
890-8700-5	CS - 6	Total/NA	Solid	Total BTEX	
890-8700-6	CS - 8	Total/NA	Solid	Total BTEX	
890-8700-7	CS - 10	Total/NA	Solid	Total BTEX	
890-8700-8	CS - 12	Total/NA	Solid	Total BTEX	
890-8700-9	CS - 13	Total/NA	Solid	Total BTEX	
890-8700-10	CS - 14	Total/NA	Solid	Total BTEX	
890-8700-11	CS - 15	Total/NA	Solid	Total BTEX	
890-8700-12	CS - 16	Total/NA	Solid	Total BTEX	
890-8700-13	CS - 17	Total/NA	Solid	Total BTEX	
890-8700-14	CS - 18	Total/NA	Solid	Total BTEX	
890-8700-15	CS - 19	Total/NA	Solid	Total BTEX	
890-8700-16	CS - 20	Total/NA	Solid	Total BTEX	
890-8700-17	CS - 21	Total/NA	Solid	Total BTEX	
890-8700-18	CS - 22	Total/NA	Solid	Total BTEX	
890-8700-19	CS - 23	Total/NA	Solid	Total BTEX	
890-8700-20	CS - 24	Total/NA	Solid	Total BTEX	
890-8700-21	CS - 25	Total/NA	Solid	Total BTEX	
890-8700-22	CS - 26	Total/NA	Solid	Total BTEX	
890-8700-23	CS - 27	Total/NA	Solid	Total BTEX	
890-8700-24	CS - 28	Total/NA	Solid	Total BTEX	
890-8700-25	CS - 30	Total/NA	Solid	Total BTEX	
890-8700-26	CS - 31	Total/NA	Solid	Total BTEX	
890-8700-27	CS - 32	Total/NA	Solid	Total BTEX	
890-8700-28	CS - 33	Total/NA	Solid	Total BTEX	
890-8700-29	CS - 3	Total/NA	Solid	Total BTEX	
890-8700-30	CS - 7	Total/NA	Solid	Total BTEX	
890-8700-31	CS - 9	Total/NA	Solid	Total BTEX	
890-8700-32	CS - 11	Total/NA	Solid	Total BTEX	
890-8700-33	CS - 29	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 117186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-1	CS - 1	Total/NA	Solid	8015NM Prep	
890-8700-3	CS - 4	Total/NA	Solid	8015NM Prep	
890-8700-4	CS - 5	Total/NA	Solid	8015NM Prep	
890-8700-5	CS - 6	Total/NA	Solid	8015NM Prep	
890-8700-6	CS - 8	Total/NA	Solid	8015NM Prep	
890-8700-7	CS - 10	Total/NA	Solid	8015NM Prep	
890-8700-8	CS - 12	Total/NA	Solid	8015NM Prep	
890-8700-9	CS - 13	Total/NA	Solid	8015NM Prep	
MB 880-117186/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117186/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117186/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 117191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-10	CS - 14	Total/NA	Solid	8015NM Prep	
890-8700-11	CS - 15	Total/NA	Solid	8015NM Prep	
890-8700-12	CS - 16	Total/NA	Solid	8015NM Prep	
890-8700-13	CS - 17	Total/NA	Solid	8015NM Prep	
890-8700-14	CS - 18	Total/NA	Solid	8015NM Prep	
890-8700-15	CS - 19	Total/NA	Solid	8015NM Prep	
890-8700-16	CS - 20	Total/NA	Solid	8015NM Prep	
890-8700-17	CS - 21	Total/NA	Solid	8015NM Prep	
890-8700-18	CS - 22	Total/NA	Solid	8015NM Prep	
890-8700-19	CS - 23	Total/NA	Solid	8015NM Prep	
890-8700-20	CS - 24	Total/NA	Solid	8015NM Prep	
890-8700-21	CS - 25	Total/NA	Solid	8015NM Prep	
890-8700-22	CS - 26	Total/NA	Solid	8015NM Prep	
890-8700-23	CS - 27	Total/NA	Solid	8015NM Prep	
890-8700-24	CS - 28	Total/NA	Solid	8015NM Prep	
890-8700-25	CS - 30	Total/NA	Solid	8015NM Prep	
890-8700-26	CS - 31	Total/NA	Solid	8015NM Prep	
890-8700-27	CS - 32	Total/NA	Solid	8015NM Prep	
890-8700-28	CS - 33	Total/NA	Solid	8015NM Prep	
890-8700-29	CS - 3	Total/NA	Solid	8015NM Prep	
MB 880-117191/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117191/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117191/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8700-10 MS	CS - 14	Total/NA	Solid	8015NM Prep	
890-8700-10 MSD	CS - 14	Total/NA	Solid	8015NM Prep	

Prep Batch: 117195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-30	CS - 7	Total/NA	Solid	8015NM Prep	
890-8700-31	CS - 9	Total/NA	Solid	8015NM Prep	
890-8700-32	CS - 11	Total/NA	Solid	8015NM Prep	
890-8700-33	CS - 29	Total/NA	Solid	8015NM Prep	
MB 880-117195/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117195/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117195/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8700-30 MS	CS - 7	Total/NA	Solid	8015NM Prep	
890-8700-30 MSD	CS - 7	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-1	CS - 1	Total/NA	Solid	8015B NM	117186
890-8700-3	CS - 4	Total/NA	Solid	8015B NM	117186
890-8700-4	CS - 5	Total/NA	Solid	8015B NM	117186
890-8700-5	CS - 6	Total/NA	Solid	8015B NM	117186
890-8700-6	CS - 8	Total/NA	Solid	8015B NM	117186
890-8700-7	CS - 10	Total/NA	Solid	8015B NM	117186
890-8700-8	CS - 12	Total/NA	Solid	8015B NM	117186
890-8700-9	CS - 13	Total/NA	Solid	8015B NM	117186
MB 880-117186/1-A	Method Blank	Total/NA	Solid	8015B NM	117186
LCS 880-117186/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117186
LCSD 880-117186/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117186

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 117368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-2	CS - 2	Total/NA	Solid	8015NM Prep	
MB 880-117368/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117368/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117368/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8700-2 MS	CS - 2	Total/NA	Solid	8015NM Prep	
890-8700-2 MSD	CS - 2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-2	CS - 2	Total/NA	Solid	8015B NM	117368
MB 880-117368/1-A	Method Blank	Total/NA	Solid	8015B NM	117368
LCS 880-117368/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117368
LCSD 880-117368/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117368
890-8700-2 MS	CS - 2	Total/NA	Solid	8015B NM	117368
890-8700-2 MSD	CS - 2	Total/NA	Solid	8015B NM	117368

Analysis Batch: 117389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-1	CS - 1	Total/NA	Solid	8015 NM	
890-8700-2	CS - 2	Total/NA	Solid	8015 NM	
890-8700-3	CS - 4	Total/NA	Solid	8015 NM	
890-8700-4	CS - 5	Total/NA	Solid	8015 NM	
890-8700-5	CS - 6	Total/NA	Solid	8015 NM	
890-8700-6	CS - 8	Total/NA	Solid	8015 NM	
890-8700-7	CS - 10	Total/NA	Solid	8015 NM	
890-8700-8	CS - 12	Total/NA	Solid	8015 NM	
890-8700-9	CS - 13	Total/NA	Solid	8015 NM	
890-8700-10	CS - 14	Total/NA	Solid	8015 NM	
890-8700-11	CS - 15	Total/NA	Solid	8015 NM	
890-8700-12	CS - 16	Total/NA	Solid	8015 NM	
890-8700-13	CS - 17	Total/NA	Solid	8015 NM	
890-8700-14	CS - 18	Total/NA	Solid	8015 NM	
890-8700-15	CS - 19	Total/NA	Solid	8015 NM	
890-8700-16	CS - 20	Total/NA	Solid	8015 NM	
890-8700-17	CS - 21	Total/NA	Solid	8015 NM	
890-8700-18	CS - 22	Total/NA	Solid	8015 NM	
890-8700-19	CS - 23	Total/NA	Solid	8015 NM	
890-8700-20	CS - 24	Total/NA	Solid	8015 NM	
890-8700-21	CS - 25	Total/NA	Solid	8015 NM	
890-8700-22	CS - 26	Total/NA	Solid	8015 NM	
890-8700-23	CS - 27	Total/NA	Solid	8015 NM	
890-8700-24	CS - 28	Total/NA	Solid	8015 NM	
890-8700-25	CS - 30	Total/NA	Solid	8015 NM	
890-8700-26	CS - 31	Total/NA	Solid	8015 NM	
890-8700-27	CS - 32	Total/NA	Solid	8015 NM	
890-8700-28	CS - 33	Total/NA	Solid	8015 NM	
890-8700-29	CS - 3	Total/NA	Solid	8015 NM	
890-8700-30	CS - 7	Total/NA	Solid	8015 NM	
890-8700-31	CS - 9	Total/NA	Solid	8015 NM	
890-8700-32	CS - 11	Total/NA	Solid	8015 NM	
890-8700-33	CS - 29	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 117413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-10	CS - 14	Total/NA	Solid	8015B NM	117191
890-8700-11	CS - 15	Total/NA	Solid	8015B NM	117191
890-8700-12	CS - 16	Total/NA	Solid	8015B NM	117191
890-8700-13	CS - 17	Total/NA	Solid	8015B NM	117191
890-8700-14	CS - 18	Total/NA	Solid	8015B NM	117191
890-8700-15	CS - 19	Total/NA	Solid	8015B NM	117191
890-8700-16	CS - 20	Total/NA	Solid	8015B NM	117191
890-8700-17	CS - 21	Total/NA	Solid	8015B NM	117191
890-8700-18	CS - 22	Total/NA	Solid	8015B NM	117191
890-8700-19	CS - 23	Total/NA	Solid	8015B NM	117191
890-8700-20	CS - 24	Total/NA	Solid	8015B NM	117191
890-8700-21	CS - 25	Total/NA	Solid	8015B NM	117191
890-8700-22	CS - 26	Total/NA	Solid	8015B NM	117191
890-8700-23	CS - 27	Total/NA	Solid	8015B NM	117191
890-8700-24	CS - 28	Total/NA	Solid	8015B NM	117191
890-8700-25	CS - 30	Total/NA	Solid	8015B NM	117191
890-8700-26	CS - 31	Total/NA	Solid	8015B NM	117191
890-8700-27	CS - 32	Total/NA	Solid	8015B NM	117191
890-8700-28	CS - 33	Total/NA	Solid	8015B NM	117191
890-8700-29	CS - 3	Total/NA	Solid	8015B NM	117191
890-8700-30	CS - 7	Total/NA	Solid	8015B NM	117195
890-8700-31	CS - 9	Total/NA	Solid	8015B NM	117195
890-8700-32	CS - 11	Total/NA	Solid	8015B NM	117195
890-8700-33	CS - 29	Total/NA	Solid	8015B NM	117195
MB 880-117191/1-A	Method Blank	Total/NA	Solid	8015B NM	117191
MB 880-117195/1-A	Method Blank	Total/NA	Solid	8015B NM	117195
LCS 880-117191/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117191
LCS 880-117195/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117195
LCSD 880-117191/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117191
LCSD 880-117195/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117195
890-8700-10 MS	CS - 14	Total/NA	Solid	8015B NM	117191
890-8700-10 MSD	CS - 14	Total/NA	Solid	8015B NM	117191
890-8700-30 MS	CS - 7	Total/NA	Solid	8015B NM	117195
890-8700-30 MSD	CS - 7	Total/NA	Solid	8015B NM	117195

HPLC/IC

Leach Batch: 117228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-1	CS - 1	Soluble	Solid	DI Leach	
890-8700-2	CS - 2	Soluble	Solid	DI Leach	
890-8700-3	CS - 4	Soluble	Solid	DI Leach	
890-8700-4	CS - 5	Soluble	Solid	DI Leach	
890-8700-5	CS - 6	Soluble	Solid	DI Leach	
890-8700-6	CS - 8	Soluble	Solid	DI Leach	
890-8700-7	CS - 10	Soluble	Solid	DI Leach	
890-8700-8	CS - 12	Soluble	Solid	DI Leach	
890-8700-9	CS - 13	Soluble	Solid	DI Leach	
890-8700-10	CS - 14	Soluble	Solid	DI Leach	
890-8700-11	CS - 15	Soluble	Solid	DI Leach	
890-8700-12	CS - 16	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 117228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-13	CS - 17	Soluble	Solid	DI Leach	
890-8700-14	CS - 18	Soluble	Solid	DI Leach	
890-8700-15	CS - 19	Soluble	Solid	DI Leach	
890-8700-16	CS - 20	Soluble	Solid	DI Leach	
890-8700-17	CS - 21	Soluble	Solid	DI Leach	
890-8700-18	CS - 22	Soluble	Solid	DI Leach	
890-8700-19	CS - 23	Soluble	Solid	DI Leach	
890-8700-20	CS - 24	Soluble	Solid	DI Leach	
MB 880-117228/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117228/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117228/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8700-1 MS	CS - 1	Soluble	Solid	DI Leach	
890-8700-1 MSD	CS - 1	Soluble	Solid	DI Leach	
890-8700-11 MS	CS - 15	Soluble	Solid	DI Leach	
890-8700-11 MSD	CS - 15	Soluble	Solid	DI Leach	

Leach Batch: 117231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-21	CS - 25	Soluble	Solid	DI Leach	
890-8700-22	CS - 26	Soluble	Solid	DI Leach	
890-8700-23	CS - 27	Soluble	Solid	DI Leach	
890-8700-24	CS - 28	Soluble	Solid	DI Leach	
890-8700-25	CS - 30	Soluble	Solid	DI Leach	
890-8700-26	CS - 31	Soluble	Solid	DI Leach	
890-8700-27	CS - 32	Soluble	Solid	DI Leach	
890-8700-28	CS - 33	Soluble	Solid	DI Leach	
890-8700-29	CS - 3	Soluble	Solid	DI Leach	
890-8700-30	CS - 7	Soluble	Solid	DI Leach	
890-8700-31	CS - 9	Soluble	Solid	DI Leach	
890-8700-32	CS - 11	Soluble	Solid	DI Leach	
890-8700-33	CS - 29	Soluble	Solid	DI Leach	
MB 880-117231/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117231/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117231/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8700-21 MS	CS - 25	Soluble	Solid	DI Leach	
890-8700-21 MSD	CS - 25	Soluble	Solid	DI Leach	
890-8700-31 MS	CS - 9	Soluble	Solid	DI Leach	
890-8700-31 MSD	CS - 9	Soluble	Solid	DI Leach	

Analysis Batch: 117320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-1	CS - 1	Soluble	Solid	300.0	117228
890-8700-2	CS - 2	Soluble	Solid	300.0	117228
890-8700-3	CS - 4	Soluble	Solid	300.0	117228
890-8700-4	CS - 5	Soluble	Solid	300.0	117228
890-8700-5	CS - 6	Soluble	Solid	300.0	117228
890-8700-6	CS - 8	Soluble	Solid	300.0	117228
890-8700-7	CS - 10	Soluble	Solid	300.0	117228
890-8700-8	CS - 12	Soluble	Solid	300.0	117228
890-8700-9	CS - 13	Soluble	Solid	300.0	117228
890-8700-10	CS - 14	Soluble	Solid	300.0	117228

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 117320 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-11	CS - 15	Soluble	Solid	300.0	117228
890-8700-12	CS - 16	Soluble	Solid	300.0	117228
890-8700-13	CS - 17	Soluble	Solid	300.0	117228
890-8700-14	CS - 18	Soluble	Solid	300.0	117228
890-8700-15	CS - 19	Soluble	Solid	300.0	117228
890-8700-16	CS - 20	Soluble	Solid	300.0	117228
890-8700-17	CS - 21	Soluble	Solid	300.0	117228
890-8700-18	CS - 22	Soluble	Solid	300.0	117228
890-8700-19	CS - 23	Soluble	Solid	300.0	117228
890-8700-20	CS - 24	Soluble	Solid	300.0	117228
MB 880-117228/1-A	Method Blank	Soluble	Solid	300.0	117228
LCS 880-117228/2-A	Lab Control Sample	Soluble	Solid	300.0	117228
LCSD 880-117228/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117228
890-8700-1 MS	CS - 1	Soluble	Solid	300.0	117228
890-8700-1 MSD	CS - 1	Soluble	Solid	300.0	117228
890-8700-11 MS	CS - 15	Soluble	Solid	300.0	117228
890-8700-11 MSD	CS - 15	Soluble	Solid	300.0	117228

Analysis Batch: 117348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8700-21	CS - 25	Soluble	Solid	300.0	117231
890-8700-22	CS - 26	Soluble	Solid	300.0	117231
890-8700-23	CS - 27	Soluble	Solid	300.0	117231
890-8700-24	CS - 28	Soluble	Solid	300.0	117231
890-8700-25	CS - 30	Soluble	Solid	300.0	117231
890-8700-26	CS - 31	Soluble	Solid	300.0	117231
890-8700-27	CS - 32	Soluble	Solid	300.0	117231
890-8700-28	CS - 33	Soluble	Solid	300.0	117231
890-8700-29	CS - 3	Soluble	Solid	300.0	117231
890-8700-30	CS - 7	Soluble	Solid	300.0	117231
890-8700-31	CS - 9	Soluble	Solid	300.0	117231
890-8700-32	CS - 11	Soluble	Solid	300.0	117231
890-8700-33	CS - 29	Soluble	Solid	300.0	117231
MB 880-117231/1-A	Method Blank	Soluble	Solid	300.0	117231
LCS 880-117231/2-A	Lab Control Sample	Soluble	Solid	300.0	117231
LCSD 880-117231/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117231
890-8700-21 MS	CS - 25	Soluble	Solid	300.0	117231
890-8700-21 MSD	CS - 25	Soluble	Solid	300.0	117231
890-8700-31 MS	CS - 9	Soluble	Solid	300.0	117231
890-8700-31 MSD	CS - 9	Soluble	Solid	300.0	117231

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 1

Lab Sample ID: 890-8700-1

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 16:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 16:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/22/25 04:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117186	08/21/25 08:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117312	08/22/25 04:39	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 07:59	CS	EET MID

Client Sample ID: CS - 2

Lab Sample ID: 890-8700-2

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 16:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/22/25 11:55	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	117368	08/22/25 10:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117369	08/22/25 11:55	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 08:22	CS	EET MID

Client Sample ID: CS - 4

Lab Sample ID: 890-8700-3

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 16:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/22/25 05:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117186	08/21/25 08:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117312	08/22/25 05:12	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 08:30	CS	EET MID

Client Sample ID: CS - 5

Lab Sample ID: 890-8700-4

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 17:02	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 5**Lab Sample ID: 890-8700-4****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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			117389	08/22/25 05:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117186	08/21/25 08:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117312	08/22/25 05:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		5			117320	08/22/25 08:37	CS	EET MID

Client Sample ID: CS - 6**Lab Sample ID: 890-8700-5****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 17:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/22/25 05:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	117186	08/21/25 08:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117312	08/22/25 05:43	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 08:45	CS	EET MID

Client Sample ID: CS - 8**Lab Sample ID: 890-8700-6****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 17:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/22/25 05:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117186	08/21/25 08:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117312	08/22/25 05:59	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 09:08	CS	EET MID

Client Sample ID: CS - 10**Lab Sample ID: 890-8700-7****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 18:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/22/25 06:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117186	08/21/25 08:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117312	08/22/25 06:15	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 10

Lab Sample ID: 890-8700-7

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 09:15	CS	EET MID

Client Sample ID: CS - 12

Lab Sample ID: 890-8700-8

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 18:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/22/25 06:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117186	08/21/25 08:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117312	08/22/25 06:32	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 09:23	CS	EET MID

Client Sample ID: CS - 13

Lab Sample ID: 890-8700-9

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 18:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/22/25 06:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117186	08/21/25 08:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117312	08/22/25 06:47	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		5			117320	08/22/25 09:30	CS	EET MID

Client Sample ID: CS - 14

Lab Sample ID: 890-8700-10

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 19:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 13:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 13:24	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 09:38	CS	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 15

Lab Sample ID: 890-8700-11

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 20:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 14:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 14:11	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 09:46	CS	EET MID

Client Sample ID: CS - 16

Lab Sample ID: 890-8700-12

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 21:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 21:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 14:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 14:27	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		5			117320	08/22/25 10:08	CS	EET MID

Client Sample ID: CS - 17

Lab Sample ID: 890-8700-13

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 21:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 21:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 14:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 14:42	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 10:16	CS	EET MID

Client Sample ID: CS - 18

Lab Sample ID: 890-8700-14

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 21:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 21:41	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 18

Lab Sample ID: 890-8700-14

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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			117389	08/23/25 14:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 14:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		5			117320	08/22/25 10:39	CS	EET MID

Client Sample ID: CS - 19

Lab Sample ID: 890-8700-15

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 22:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 22:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 15:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 15:13	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 10:46	CS	EET MID

Client Sample ID: CS - 20

Lab Sample ID: 890-8700-16

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 22:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 22:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 15:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 15:29	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 10:54	CS	EET MID

Client Sample ID: CS - 21

Lab Sample ID: 890-8700-17

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 22:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 22:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 15:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 15:45	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 21

Lab Sample ID: 890-8700-17

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 11:01	CS	EET MID

Client Sample ID: CS - 22

Lab Sample ID: 890-8700-18

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 23:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 23:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 16:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 16:01	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 11:09	CS	EET MID

Client Sample ID: CS - 23

Lab Sample ID: 890-8700-19

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 23:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 23:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 16:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 16:16	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		1			117320	08/22/25 11:17	CS	EET MID

Client Sample ID: CS - 24

Lab Sample ID: 890-8700-20

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117213	08/21/25 09:57	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117406	08/24/25 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 23:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 16:47	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 16:47	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	117228	08/21/25 10:45	SA	EET MID
Soluble	Analysis	300.0		5			117320	08/22/25 11:24	CS	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 25

Lab Sample ID: 890-8700-21

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/23/25 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/23/25 23:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 17:02	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 17:02	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 10:55	CS	EET MID

Client Sample ID: CS - 26

Lab Sample ID: 890-8700-22

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 00:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 00:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 17:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 17:17	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 11:12	CS	EET MID

Client Sample ID: CS - 27

Lab Sample ID: 890-8700-23

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 00:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 17:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 17:33	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 11:18	CS	EET MID

Client Sample ID: CS - 28

Lab Sample ID: 890-8700-24

Date Collected: 08/19/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 00:45	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 28**Lab Sample ID: 890-8700-24****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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			117389	08/23/25 17:48	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 17:48	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 11:24	CS	EET MID

Client Sample ID: CS - 30**Lab Sample ID: 890-8700-25****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 01:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 18:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 18:05	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 11:29	CS	EET MID

Client Sample ID: CS - 31**Lab Sample ID: 890-8700-26****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 01:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 18:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 18:20	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 11:46	CS	EET MID

Client Sample ID: CS - 32**Lab Sample ID: 890-8700-27****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 01:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 18:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 18:35	TKC	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 32**Lab Sample ID: 890-8700-27****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		5			117348	08/22/25 11:52	CS	EET MID

Client Sample ID: CS - 33**Lab Sample ID: 890-8700-28****Date Collected: 08/19/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 02:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 18:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 18:51	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 11:58	CS	EET MID

Client Sample ID: CS - 3**Lab Sample ID: 890-8700-29****Date Collected: 08/20/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 02:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 02:28	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 19:07	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117191	08/21/25 08:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 19:07	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 12:03	CS	EET MID

Client Sample ID: CS - 7**Lab Sample ID: 890-8700-30****Date Collected: 08/20/25 00:00****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 02:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 21:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117195	08/21/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 21:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 12:09	CS	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Client Sample ID: CS - 9

Lab Sample ID: 890-8700-31

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 04:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 21:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117195	08/21/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 12:15	CS	EET MID

Client Sample ID: CS - 11

Lab Sample ID: 890-8700-32

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 04:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 04:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 22:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117195	08/21/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 22:13	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		5			117348	08/22/25 12:32	CS	EET MID

Client Sample ID: CS - 29

Lab Sample ID: 890-8700-33

Date Collected: 08/20/25 00:00

Matrix: Solid

Date Received: 08/20/25 15:00

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	117214	08/21/25 10:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 05:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117497	08/24/25 05:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			117389	08/23/25 22:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117195	08/21/25 08:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117413	08/23/25 22:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 12:37	CS	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8700-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8700-1	CS - 1	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-2	CS - 2	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-3	CS - 4	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-4	CS - 5	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-5	CS - 6	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-6	CS - 8	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-7	CS - 10	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-8	CS - 12	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-9	CS - 13	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-10	CS - 14	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-11	CS - 15	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-12	CS - 16	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-13	CS - 17	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-14	CS - 18	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-15	CS - 19	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-16	CS - 20	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-17	CS - 21	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-18	CS - 22	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-19	CS - 23	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-20	CS - 24	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-21	CS - 25	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-22	CS - 26	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-23	CS - 27	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-24	CS - 28	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-25	CS - 30	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-26	CS - 31	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-27	CS - 32	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-28	CS - 33	Solid	08/19/25 00:00	08/20/25 15:00	4
890-8700-29	CS - 3	Solid	08/20/25 00:00	08/20/25 15:00	4
890-8700-30	CS - 7	Solid	08/20/25 00:00	08/20/25 15:00	4
890-8700-31	CS - 9	Solid	08/20/25 00:00	08/20/25 15:00	4
890-8700-32	CS - 11	Solid	08/20/25 00:00	08/20/25 15:00	4
890-8700-33	CS - 29	Solid	08/20/25 00:00	08/20/25 15:00	4

Eurofins Carlsbad



Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 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 1 of 4

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:	gimoreno@earthsys.net

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



890-8700 Chain of Custody

Project Name:	Flagler 8 Federal #012H	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	372	Due Date:	Routine TAT		
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Santiago Giron, Evan Braswell				
CCMO #:	21580435				
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No			
Samples Received In tact:	☒ Yes ☒ No	Thermometer ID:	T-1100001		
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	-0.2		
Sample Custody Seals:	☒ Yes ☒ No	Temperature Reading:	-7.6		
Total Containers:		Corrected Temperature:	-7.4		
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp
CS-1	S	8.19.25	9:05	4	Comp 1
CS-2	S	8.19.25	9:10	4	Comp 1
CS-4	S	8.19.25	9:15	4	Comp 1
CS-5	S	8.19.25	9:20	4	Comp 1
CS-6	S	8.19.25	9:25	4	Comp 1
CS-8	S	8.19.25	9:30	4	Comp 1
CS-10	S	8.19.25	9:35	4	Comp 1
CS-12	S	8.19.25	9:40	4	Comp 1
CS-13	S	8.19.25	9:45	4	Comp 1

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Hg: 1631 / 245.1 / 7470 / 17471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	8/20/15			



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 4

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

Project Name:	Flagler 8 Federal #012H	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:	372	☒ Routine ☐ Rush																		None: NO	DI Water: H ₂ O	
Project Location:	Lea County, NM	Due Date:	Routine TAT																	Cool: Cool	MeOH: Me	
Sampler's Name:	Santiago Giron, Evan Braswell	TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC	HNO ₃ : HN	
CCWO #:	21580435																			H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No																		H ₃ PO ₄ : HP		
Samples Received Inact:	☒ Yes ☒ No	Thermometer ID:	TAT received																	NaHSO ₄ : NABIS		
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	-0.2																	Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	☒ Yes ☒ No	Temperature Reading:	-7.6																	Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:	-7.4																	NaOH+Ascorbic Acid: SAPC		
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush											Sample Comments
CS-14	S	8.19.25	9:50	4	Comp	1	X	X	X													Incident Number
CS-15	S	8.19.25	9:55	4	Comp	1	X	X	X													nAPP2512561686
CS-16	S	8.19.25	10:00	4	Comp	1	X	X	X													
CS-17	S	8.19.25	10:05	4	Comp	1	X	X	X													
CS-18	S	8.19.25	10:10	4	Comp	1	X	X	X													
CS-19	S	8.19.25	10:15	4	Comp	1	X	X	X													
CS-20	S	8.19.25	10:20	4	Comp	1	X	X	X													
CS-21	S	8.19.25	10:25	4	Comp	1	X	X	X													
CS-22	S	8.19.25	10:30	4	Comp	1	X	X	X													

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Hg: 1631 / 245.1 / 7470 / 7471

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 \$35.00 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
		8/20/1506			



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 3 of 4

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, 88520	City, State ZIP:	
Phone:	832-541-7719	Email:	jimoreno@earthsys.net

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

[illegible]

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 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 Xeno. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$65.00 will be applied to each project and a charge of \$8 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

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		8/20/15			

Standard Data: 08/20/2015 Box 2020



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) 986-3199

Chain of Custody

Work Order No:

www.xenco.com Page 4 of 4

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:	gimoreno@earthsys.net

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

[illegible]

Total 200.7 / 6010 200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ii 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 \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. Such 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>	6/20/15			

Revised Date: 08/25/2020 Rev. 2020

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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)		Sampler	Lab PM:	Carrier Tracking No(s):	COC No:									
Client Contact:		N/A	Teel, Brianna	N/A	890-5776-1									
Shipping/Receiving		Phone:	E-Mail:	State of Origin:	Page: 1 of 4									
Eurofins Environment Testing South Cent		N/A	Brianna.Teel@eurofins.com	New Mexico	Page 1 of 4									
Company:		Accreditations Required (See note)		Job #:	890-57700-1									
Address:		Due Date Requested:	Analysis Requested		Preservation Codes:									
1211 W. Florida Ave.		8/26/2025												
City:	Midland	TAT Requested (days):												
State Zip	TX, 79701	N/A												
Phone:	432-704-5440(Tel)	PO #:												
Email:	N/A	W/O #:												
Project Name:	FLAGLER 8 FEDERAL #012h	Project #:												
Site:	N/A	SSOW#:												
		N/A												
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, S=solid, O=soil, B=Trans, A=Air)	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 (890-8700-1)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	
CS - 2 (890-8700-2)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	
CS - 4 (890-8700-3)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	
CS - 5 (890-8700-4)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	
CS - 6 (890-8700-5)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	
CS - 8 (890-8700-6)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	
CS - 10 (890-8700-7)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	
CS - 12 (890-8700-8)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	
CS - 13 (890-8700-9)	8/19/25	Mountain	G	Solid		X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Cental, 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 Cental, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Cental, 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 Cental, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

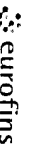
Ver: 10/10/2024

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Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 86220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Eurofins Environmental Testing

Client Information (Sub Contract Lab)		Sampler:	N/A	Lab PM:	Teel, Brianna	Carrier Tracking No(s):	N/A	COC No:	890-5775-2
Shipping/Receiving		Phone:	N/A	E-Mail:	Brianna.Teel@eurofins.com	State of Origin:	New Mexico	Page:	Page 2 of 2
Company:		Eurofins Environment Testing South Cent			Accreditations Required (See note):			Job #:	890-8692-1
Address:		1211 W. Florida Ave.			Due Date Requested:			8/25/2025	
City:		Midland			TAT Requested (days):			N/A	
State, Zip:		TX, 79701			Analysis Requested				
Phone:		432-704-5440(Te)			Field Filtered Sample (Yes or No)			☒	
Email:		N/A			Perform MS/MSD (Yes or No)			☒	
Project Name:		Ross Draw Unit 33 Pad			Total_BTEx_GCV			8021B/5035FP_CalcBTEx	
Site:		N/A			300_ORGFM_28/DI_LEACHChloride			8015MOD_Calc	
SSOW#:		N/A			8015MOD_NM/8015NM_S_Prep8015 NM				
Project #:		88001228			Total Number of containers			☒	
Special Instructions/Note:					Special Instructions/Note:				
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (H=Hazard, S=Sample, O=Other, A=Air)				
HA - 11 (890-8692-10)		8/18/25	13:50	G	Solid	X	X	X	X
HA - 11 (890-8692-11)		8/18/25	13:55	G	Solid	X	X	X	X
HA - 12 (890-8692-12)		8/18/25	14:00	G	Solid	X	X	X	X
HA - 12 (890-8692-13)		8/18/25	14:05	G	Solid	X	X	X	X
HA - 12 (890-8692-14)		8/18/25	14:10	G	Solid	X	X	X	X
HA - 13 (890-8692-15)		8/18/25	14:15	G	Solid	X	X	X	X
HA - 13 (890-8692-16)		8/18/25	14:20	G	Solid	X	X	X	X
HA - 13 (890-8692-17)		8/18/25	14:25	G	Solid	X	X	X	X

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/estimates 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

Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____

Relinquished by: *Sumy* Date/Time: *8/20/16 3C* Company: _____ Received by: *SA* Date/Time: _____ 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: 890-8700-1

SDG Number: Lea County, NM

Login Number: 8700

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8700-1

SDG Number: Lea County, NM

Login Number: 8700

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 08/21/25 09:25 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	



Environment Testing

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- 3
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ANALYTICAL REPORT

PREPARED FOR

Attn: Gilbert Moreno
Earth Systems Response and Restoration
4115 South County Road 1297
Odessa, Texas 79765
Generated 8/26/2025 12:13:08 PM

JOB DESCRIPTION

Flagler 8 Federal #012H
Lea County, NM

JOB NUMBER

890-8701-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

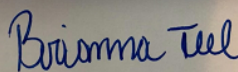
Eurofins Carlsbad

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
8/26/2025 12:13:08 PM

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

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Laboratory Job ID: 890-8701-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	16
Lab Chronicle	18
Certification Summary	20
Method Summary	21
Sample Summary	22
Chain of Custody	23
Receipt Checklists	28

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
SQL	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: Flagler 8 Federal #012H

Job ID: 890-8701-1

Job ID: 890-8701-1

Eurofins Carlsbad

Job Narrative 890-8701-1

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

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

Receipt

The samples were received on 8/20/2025 3:00 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 -7.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 1 (890-8701-1), SW - 2 (890-8701-2), SW - 3 (890-8701-3), SW - 4 (890-8701-4), SW - 5 (890-8701-5) and SW - 6 (890-8701-6).

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: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Client Sample ID: SW - 1

Lab Sample ID: 890-8701-1

Date Collected: 08/19/25 11:30

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

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		08/25/25 09:24	08/25/25 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 11:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/25 09:24	08/25/25 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 11:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/25 09:24	08/25/25 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	08/25/25 09:24	08/25/25 11:32	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/25/25 09:24	08/25/25 11:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/25/25 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/25 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 21:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	08/21/25 08:23	08/23/25 21:10	1
o-Terphenyl	91		70 - 130	08/21/25 08:23	08/23/25 21:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.2		9.98		mg/Kg			08/22/25 12:54	1

Client Sample ID: SW - 2

Lab Sample ID: 890-8701-2

Date Collected: 08/19/25 11:35

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

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		08/25/25 09:24	08/25/25 16:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/25 09:24	08/25/25 16:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/25 09:24	08/25/25 16:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/25 09:24	08/25/25 16:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/25 09:24	08/25/25 16:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/25 09:24	08/25/25 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/25/25 09:24	08/25/25 16:43	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Client Sample ID: SW - 2

Lab Sample ID: 890-8701-2

Date Collected: 08/19/25 11:35

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	08/25/25 09:24	08/25/25 16:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/25/25 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	<50.1	U	50.1		mg/Kg			08/23/25 21:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/21/25 08:23	08/23/25 21:58	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/21/25 08:23	08/23/25 21:58	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/21/25 08:23	08/23/25 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/21/25 08:23	08/23/25 21:58	1
o-Terphenyl	95		70 - 130				08/21/25 08:23	08/23/25 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.1		9.94		mg/Kg			08/22/25 13:00	1

Client Sample ID: SW - 3

Lab Sample ID: 890-8701-3

Date Collected: 08/19/25 11:40

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

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		08/25/25 09:24	08/25/25 17:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 17:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 17:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/25 09:24	08/25/25 17:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 17:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/25 09:24	08/25/25 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	08/25/25 09:24	08/25/25 17:04	1
1,4-Difluorobenzene (Surr)	88		70 - 130	08/25/25 09:24	08/25/25 17:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/25/25 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/25 22:13	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Client Sample ID: SW - 3

Lab Sample ID: 890-8701-3

Date Collected: 08/19/25 11:40

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/21/25 08:23	08/23/25 22:13	1
o-Terphenyl	94		70 - 130				08/21/25 08:23	08/23/25 22:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		10.0		mg/Kg			08/22/25 13:06	1

Client Sample ID: SW - 4

Lab Sample ID: 890-8701-4

Date Collected: 08/19/25 11:45

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

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		08/25/25 09:24	08/25/25 17:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/25 09:24	08/25/25 17:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/25 09:24	08/25/25 17:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/25 09:24	08/25/25 17:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/25 09:24	08/25/25 17:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/25 09:24	08/25/25 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/25/25 09:24	08/25/25 17:24	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/25/25 09:24	08/25/25 17:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/25/25 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	<49.9	U	49.9		mg/Kg			08/23/25 22:29	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		08/21/25 08:23	08/23/25 22:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/23/25 22:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/23/25 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/21/25 08:23	08/23/25 22:29	1
o-Terphenyl	91		70 - 130				08/21/25 08:23	08/23/25 22:29	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Client Sample ID: SW - 4

Lab Sample ID: 890-8701-4

Date Collected: 08/19/25 11:45

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			08/22/25 13:11	1

Client Sample ID: SW - 5

Lab Sample ID: 890-8701-5

Date Collected: 08/19/25 11:50

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

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		08/25/25 09:24	08/25/25 17:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/25 09:24	08/25/25 17:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/25 09:24	08/25/25 17:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/25/25 09:24	08/25/25 17:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/25 09:24	08/25/25 17:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/25/25 09:24	08/25/25 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/25/25 09:24	08/25/25 17:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/25/25 09:24	08/25/25 17:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/25/25 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/23/25 22:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 22:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 22:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/21/25 08:23	08/23/25 22:44	1
o-Terphenyl	95		70 - 130				08/21/25 08:23	08/23/25 22:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.0		10.1		mg/Kg			08/22/25 13:17	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Client Sample ID: SW - 6

Lab Sample ID: 890-8701-6

Date Collected: 08/19/25 11:55

Matrix: Solid

Date Received: 08/20/25 15:00

Sample Depth: 0-4

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		08/25/25 09:24	08/25/25 18:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 18:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 18:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/25 09:24	08/25/25 18:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 18:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/25 09:24	08/25/25 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/25/25 09:24	08/25/25 18:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/25/25 09:24	08/25/25 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/25/25 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	<49.9	U	49.9		mg/Kg			08/23/25 22:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/23/25 22:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/23/25 22:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/23/25 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	08/21/25 08:23	08/23/25 22:59	1
o-Terphenyl	91		70 - 130	08/21/25 08:23	08/23/25 22:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.9		10.1		mg/Kg			08/22/25 13:23	1

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Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8701-1	SW - 1	129	84
890-8701-1 MS	SW - 1	118	96
890-8701-1 MSD	SW - 1	112	94
890-8701-2	SW - 2	114	93
890-8701-3	SW - 3	117	88
890-8701-4	SW - 4	108	91
890-8701-5	SW - 5	109	91
890-8701-6	SW - 6	110	93
LCS 880-117437/1-A	Lab Control Sample	113	99
LCSD 880-117437/2-A	Lab Control Sample Dup	113	92
MB 880-117437/5-A	Method Blank	105	86
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8701-1	SW - 1	89	91
890-8701-1 MS	SW - 1	100	93
890-8701-1 MSD	SW - 1	84	94
890-8701-2	SW - 2	93	95
890-8701-3	SW - 3	91	94
890-8701-4	SW - 4	88	91
890-8701-5	SW - 5	93	95
890-8701-6	SW - 6	89	91
LCS 880-117199/2-A	Lab Control Sample	79	88
LCSD 880-117199/3-A	Lab Control Sample Dup	94	88
MB 880-117199/1-A	Method Blank	74	75
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117437/5-A

Matrix: Solid

Analysis Batch: 117431

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 11:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 11:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/25 09:24	08/25/25 11:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/25 09:24	08/25/25 11:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/25 09:24	08/25/25 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/25/25 09:24	08/25/25 11:10	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/25/25 09:24	08/25/25 11:10	1

Lab Sample ID: LCS 880-117437/1-A

Matrix: Solid

Analysis Batch: 117431

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09217		mg/Kg		92	70 - 130
Toluene	0.100	0.08343		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.09101		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1786		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08964		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-117437/2-A

Matrix: Solid

Analysis Batch: 117431

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117437

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08389		mg/Kg		84	70 - 130	9	35
Toluene	0.100	0.08167		mg/Kg		82	70 - 130	2	35
Ethylbenzene	0.100	0.08850		mg/Kg		88	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1755		mg/Kg		88	70 - 130	2	35
o-Xylene	0.100	0.08923		mg/Kg		89	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-8701-1 MS

Matrix: Solid

Analysis Batch: 117431

Client Sample ID: SW - 1

Prep Type: Total/NA

Prep Batch: 117437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07789		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.100	0.07151		mg/Kg		72	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

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

Lab Sample ID: 890-8701-1 MS

Matrix: Solid

Analysis Batch: 117431

Client Sample ID: SW - 1

Prep Type: Total/NA

Prep Batch: 117437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08474		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1680		mg/Kg		84	70 - 130
o-Xylene	<0.00200	U	0.100	0.08394		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-8701-1 MSD

Matrix: Solid

Analysis Batch: 117431

Client Sample ID: SW - 1

Prep Type: Total/NA

Prep Batch: 117437

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	0.08120		mg/Kg		81	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.07598		mg/Kg		76	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.100	0.08608		mg/Kg		86	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1709		mg/Kg		85	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.08496		mg/Kg		85	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-117199/1-A

Matrix: Solid

Analysis Batch: 117411

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	08/21/25 08:23	08/23/25 20:24	1
o-Terphenyl	75		70 - 130	08/21/25 08:23	08/23/25 20:24	1

Lab Sample ID: LCS 880-117199/2-A

Matrix: Solid

Analysis Batch: 117411

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	904.3		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	923.5		mg/Kg		92	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-117199/2-A

Matrix: Solid

Analysis Batch: 117411

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117199

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-117199/3-A

Matrix: Solid

Analysis Batch: 117411

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	882.7		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	860.3		mg/Kg		86	70 - 130	7	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-8701-1 MS

Matrix: Solid

Analysis Batch: 117411

Client Sample ID: SW - 1

Prep Type: Total/NA

Prep Batch: 117199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	920.7		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	856.8		mg/Kg		86	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 890-8701-1 MSD

Matrix: Solid

Analysis Batch: 117411

Client Sample ID: SW - 1

Prep Type: Total/NA

Prep Batch: 117199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	943.0		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	932.5		mg/Kg		93	70 - 130	8	20

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

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117231/1-A					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 117348									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/22/25 10:38	1

Lab Sample ID: LCS 880-117231/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 117348									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	235.8		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-117231/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 117348									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	236.4		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 117431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8701-1	SW - 1	Total/NA	Solid	8021B	117437
890-8701-2	SW - 2	Total/NA	Solid	8021B	117437
890-8701-3	SW - 3	Total/NA	Solid	8021B	117437
890-8701-4	SW - 4	Total/NA	Solid	8021B	117437
890-8701-5	SW - 5	Total/NA	Solid	8021B	117437
890-8701-6	SW - 6	Total/NA	Solid	8021B	117437
MB 880-117437/5-A	Method Blank	Total/NA	Solid	8021B	117437
LCS 880-117437/1-A	Lab Control Sample	Total/NA	Solid	8021B	117437
LCSD 880-117437/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117437
890-8701-1 MS	SW - 1	Total/NA	Solid	8021B	117437
890-8701-1 MSD	SW - 1	Total/NA	Solid	8021B	117437

Prep Batch: 117437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8701-1	SW - 1	Total/NA	Solid	5035	
890-8701-2	SW - 2	Total/NA	Solid	5035	
890-8701-3	SW - 3	Total/NA	Solid	5035	
890-8701-4	SW - 4	Total/NA	Solid	5035	
890-8701-5	SW - 5	Total/NA	Solid	5035	
890-8701-6	SW - 6	Total/NA	Solid	5035	
MB 880-117437/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117437/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117437/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8701-1 MS	SW - 1	Total/NA	Solid	5035	
890-8701-1 MSD	SW - 1	Total/NA	Solid	5035	

Analysis Batch: 117528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8701-1	SW - 1	Total/NA	Solid	Total BTEX	
890-8701-2	SW - 2	Total/NA	Solid	Total BTEX	
890-8701-3	SW - 3	Total/NA	Solid	Total BTEX	
890-8701-4	SW - 4	Total/NA	Solid	Total BTEX	
890-8701-5	SW - 5	Total/NA	Solid	Total BTEX	
890-8701-6	SW - 6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 117199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8701-1	SW - 1	Total/NA	Solid	8015NM Prep	
890-8701-2	SW - 2	Total/NA	Solid	8015NM Prep	
890-8701-3	SW - 3	Total/NA	Solid	8015NM Prep	
890-8701-4	SW - 4	Total/NA	Solid	8015NM Prep	
890-8701-5	SW - 5	Total/NA	Solid	8015NM Prep	
890-8701-6	SW - 6	Total/NA	Solid	8015NM Prep	
MB 880-117199/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117199/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8701-1 MS	SW - 1	Total/NA	Solid	8015NM Prep	
890-8701-1 MSD	SW - 1	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

GC Semi VOA

Analysis Batch: 117411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8701-1	SW - 1	Total/NA	Solid	8015B NM	117199
890-8701-2	SW - 2	Total/NA	Solid	8015B NM	117199
890-8701-3	SW - 3	Total/NA	Solid	8015B NM	117199
890-8701-4	SW - 4	Total/NA	Solid	8015B NM	117199
890-8701-5	SW - 5	Total/NA	Solid	8015B NM	117199
890-8701-6	SW - 6	Total/NA	Solid	8015B NM	117199
MB 880-117199/1-A	Method Blank	Total/NA	Solid	8015B NM	117199
LCS 880-117199/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117199
LCSD 880-117199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117199
890-8701-1 MS	SW - 1	Total/NA	Solid	8015B NM	117199
890-8701-1 MSD	SW - 1	Total/NA	Solid	8015B NM	117199

Analysis Batch: 117465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8701-1	SW - 1	Total/NA	Solid	8015 NM	
890-8701-2	SW - 2	Total/NA	Solid	8015 NM	
890-8701-3	SW - 3	Total/NA	Solid	8015 NM	
890-8701-4	SW - 4	Total/NA	Solid	8015 NM	
890-8701-5	SW - 5	Total/NA	Solid	8015 NM	
890-8701-6	SW - 6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 117231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8701-1	SW - 1	Soluble	Solid	DI Leach	
890-8701-2	SW - 2	Soluble	Solid	DI Leach	
890-8701-3	SW - 3	Soluble	Solid	DI Leach	
890-8701-4	SW - 4	Soluble	Solid	DI Leach	
890-8701-5	SW - 5	Soluble	Solid	DI Leach	
890-8701-6	SW - 6	Soluble	Solid	DI Leach	
MB 880-117231/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117231/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117231/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 117348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8701-1	SW - 1	Soluble	Solid	300.0	117231
890-8701-2	SW - 2	Soluble	Solid	300.0	117231
890-8701-3	SW - 3	Soluble	Solid	300.0	117231
890-8701-4	SW - 4	Soluble	Solid	300.0	117231
890-8701-5	SW - 5	Soluble	Solid	300.0	117231
890-8701-6	SW - 6	Soluble	Solid	300.0	117231
MB 880-117231/1-A	Method Blank	Soluble	Solid	300.0	117231
LCS 880-117231/2-A	Lab Control Sample	Soluble	Solid	300.0	117231
LCSD 880-117231/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117231

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Client Sample ID: SW - 1**Lab Sample ID: 890-8701-1****Date Collected: 08/19/25 11:30****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117437	08/25/25 09:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117431	08/25/25 11:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117528	08/25/25 11:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			117465	08/23/25 21:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/23/25 21:10	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 12:54	CS	EET MID

Client Sample ID: SW - 2**Lab Sample ID: 890-8701-2****Date Collected: 08/19/25 11:35****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117437	08/25/25 09:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117431	08/25/25 16:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117528	08/25/25 16:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			117465	08/23/25 21:58	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/23/25 21:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 13:00	CS	EET MID

Client Sample ID: SW - 3**Lab Sample ID: 890-8701-3****Date Collected: 08/19/25 11:40****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117437	08/25/25 09:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117431	08/25/25 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117528	08/25/25 17:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			117465	08/23/25 22:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/23/25 22:13	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 13:06	CS	EET MID

Client Sample ID: SW - 4**Lab Sample ID: 890-8701-4****Date Collected: 08/19/25 11:45****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117437	08/25/25 09:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117431	08/25/25 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117528	08/25/25 17:24	SA	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Client Sample ID: SW - 4**Lab Sample ID: 890-8701-4****Date Collected: 08/19/25 11:45****Matrix: Solid****Date Received: 08/20/25 15:00**

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			117465	08/23/25 22:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/23/25 22:29	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 13:11	CS	EET MID

Client Sample ID: SW - 5**Lab Sample ID: 890-8701-5****Date Collected: 08/19/25 11:50****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117437	08/25/25 09:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117431	08/25/25 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117528	08/25/25 17:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			117465	08/23/25 22:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/23/25 22:44	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 13:17	CS	EET MID

Client Sample ID: SW - 6**Lab Sample ID: 890-8701-6****Date Collected: 08/19/25 11:55****Matrix: Solid****Date Received: 08/20/25 15:00**

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	117437	08/25/25 09:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117431	08/25/25 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117528	08/25/25 18:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			117465	08/23/25 22:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/23/25 22:59	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	117231	08/21/25 10:48	SA	EET MID
Soluble	Analysis	300.0		1			117348	08/22/25 13:23	CS	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8701-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8701-1	SW - 1	Solid	08/19/25 11:30	08/20/25 15:00	0-4
890-8701-2	SW - 2	Solid	08/19/25 11:35	08/20/25 15:00	0-4
890-8701-3	SW - 3	Solid	08/19/25 11:40	08/20/25 15:00	0-4
890-8701-4	SW - 4	Solid	08/19/25 11:45	08/20/25 15:00	0-4
890-8701-5	SW - 5	Solid	08/19/25 11:50	08/20/25 15:00	0-4
890-8701-6	SW - 6	Solid	08/19/25 11:55	08/20/25 15:00	0-4

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 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 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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Flagler 8 Federal #012H	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	372	Due Date:	Routine TAT		
Project Location:	Lea County, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Santiago Giron, Evan Braswell				
CCWO #:	21580435				
SAMPLE RECEIPT	Temp Blank: Yes No	Wet Ice: Yes No			
Samples Received Inact:	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
SW-1	S	8.19.25	11:30	0-4	Comp 1
SW-2	S	8.19.25	11:35	0-4	Comp 1
SW-3	S	8.19.25	11:40	0-4	Comp 1
SW-4	S	8.19.25	11:45	0-4	Comp 1
SW-5	S	8.19.25	11:50	0-4	Comp 1
SW-6	S	8.19.25	11:55	0-4	Comp 1



890-8701 Chain of Custody

Total	200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	SD	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	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

Chain of Custody Record

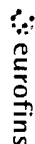
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Ver: 10/10/2024

Eurofins Carlsbad

**1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199**

Chain of Custody Record



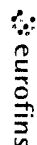
Introduction

[illegible]

Eurofins Carlsbad

**1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199**

Chain of Custody Record



Discussion

Client Information (Sub Contract Lab)				Sampler:	Lab PM:	Carrier Tracking No(s):	CCC No:												
Client Contact:				N/A	Teel, Brianna	N/A	890-5776.3												
Shipping/Receiving				Phone:	E-Mail:	State of Origin:	Page:												
Eurofins Environment Testing South Cent				N/A	Brianna.Teel@eurofins.com	New Mexico	Page 3 of 4												
Address:				Accreditations Required (See note):		Job #:													
1211 W. Florida Ave,				NEAP - Texas		890-8700-1													
City:				Analysis Requested															
Midland				Preservation Codes:															
State, Zip:																			
TX, 79701																			
Phone:																			
432-704-5440(Tel)																			
Email:																			
N/A																			
Project Name:																			
FLAGLER 8 FEDERAL #012h																			
Site:																			
SSOW#:																			
N/A																			
Sample Identification - Client ID (Lab ID)				Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wetweight, On-sight, Gritstream, A=lab)	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 - 23 (890-8700-19)				8/19/25	Mountain	G	Solid		X	X	X	X	X					1	
CS - 24 (890-8700-20)				8/19/25	Mountain	G	Solid		X	X	X	X	X					1	
CS - 25 (890-8700-21)				8/19/25	Mountain	G	Solid		X	X	X	X	X					1	
CS - 26 (890-8700-22)				8/19/25	Mountain	G	Solid		X	X	X	X	X					1	
CS - 27 (890-8700-23)				8/19/25	Mountain	G	Solid		X	X	X	X	X					1	
CS - 28 (890-8700-24)				8/19/25	Mountain	G	Solid		X	X	X	X	X					1	
CS - 30 (890-8700-25)				8/19/25	Mountain	G	Solid		X	X	X	X	X					1	
CS - 31 (890-8700-26)				8/19/25	Mountain	G	Solid		X	X	X	X	X					1	
CS - 32 (890-8700-27)				8/19/25	Mountain	G	Solid		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/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Empty Kit Reimbursement by: Date: Time: Method of Shipment: Company:

Reimbursement by: Date/Time: Received by: Date/Time: Company:

Reimbursement by: Date/Time: Received by: Date/Time: Company:

Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

Δ Yes Δ No

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Chain of Custody Record



Eurofins Region

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact:		N/A	Teel, Brianna	N/A	890-5776.2
Shipping/Receiving:		Phone:	E-Mail:	State of Origin:	Page:
Company:		N/A	Brianna.Teel@eurofins.com	New Mexico	Page 2 of 4
Eurofins Environment Testing South Cent		Accreditations Required (See note):		Job #:	Preservation Codes:
Address:		NEIAP - Texas		890-8700-1	
City:		Due Date Requested:	Analysis Requested		
Midland		8/26/2025			
State, Zip:		TAT Requested (days):			
TX, 79701		N/A			
Phone:		PO #:			
432-704-5440(Tel)		N/A			
Email:		WO #:			
N/A		N/A			
Project Name:		Project #:			
FLAGLER 8 FEDERAL #012h		88001228			
Site:		SSOW#:			
N/A		N/A			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (G=Comp, G=grab) (BT=Trans, A=Ad)	Matrix (Heater, Sealed, Overhead, A=Ad)
CS - 14 (890-8700-10)		8/19/25		G	Solid
CS - 15 (890-8700-11)		8/19/25		G	Solid
CS - 16 (890-8700-12)		8/19/25		G	Solid
CS - 17 (890-8700-13)		8/19/25		G	Solid
CS - 18 (890-8700-14)		8/19/25		G	Solid
CS - 19 (890-8700-15)		8/19/25		G	Solid
CS - 20 (890-8700-16)		8/19/25		G	Solid
CS - 21 (890-8700-17)		8/19/25		G	Solid
CS - 22 (890-8700-18)		8/19/25		G	Solid
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		1			
Special Instructions/Note:					
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/estimates 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		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed		☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months			
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:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	
Δ Yes Δ No					

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8701-1

SDG Number: Lea County, NM

Login Number: 8701

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8701-1

SDG Number: Lea County, NM

Login Number: 8701

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 08/21/25 09:25 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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/9/2025 9:38:35 AM

JOB DESCRIPTION

Flagler 8 Federal #012H
Lea County, NM

JOB NUMBER

890-8743-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

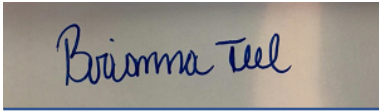
Eurofins Carlsbad

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
9/9/2025 9:38:35 AM

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

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Laboratory Job ID: 890-8743-1
SDG: Lea County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
Receipt Checklists	21

1

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3

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6

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10

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12

13

14

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: Flagler 8 Federal #012H

Job ID: 890-8743-1

Job ID: 890-8743-1

Eurofins Carlsbad

Job Narrative 890-8743-1

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

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

Receipt

The samples were received on 9/2/2025 12:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS - 26 (890-8743-1), CS - 27 (890-8743-2) and CS - 32 (890-8743-3).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-117995 and analytical batch 880-118182 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS - 32 (890-8743-3). 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 880-118217 and analytical batch 880-118210 was outside the upper control limits.

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

Diesel Range Organics

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

HPLC/IC

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

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Client Sample ID: CS - 26

Lab Sample ID: 890-8743-1

Date Collected: 09/02/25 10:00

Matrix: Solid

Date Received: 09/02/25 12:40

Sample Depth: 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		09/04/25 09:06	09/04/25 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 12:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/04/25 09:06	09/04/25 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 12:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/04/25 09:06	09/04/25 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/04/25 09:06	09/04/25 12:43	1
1,4-Difluorobenzene (Surr)	120		70 - 130				09/04/25 09:06	09/04/25 12:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/25 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/09/25 04:09	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	<49.8	U	49.8		mg/Kg		09/02/25 16:56	09/09/25 04:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/02/25 16:56	09/09/25 04:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/02/25 16:56	09/09/25 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/02/25 16:56	09/09/25 04:09	1
o-Terphenyl	112		70 - 130				09/02/25 16:56	09/09/25 04:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.8		9.96		mg/Kg			09/05/25 09:13	1

Client Sample ID: CS - 27

Lab Sample ID: 890-8743-2

Date Collected: 09/02/25 10:05

Matrix: Solid

Date Received: 09/02/25 12:40

Sample Depth: 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		09/04/25 09:06	09/04/25 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/04/25 09:06	09/04/25 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/04/25 09:06	09/04/25 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/04/25 09:06	09/04/25 13:04	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Client Sample ID: CS - 27

Lab Sample ID: 890-8743-2

Date Collected: 09/02/25 10:05

Matrix: Solid

Date Received: 09/02/25 12:40

Sample Depth: 5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	121		70 - 130	09/04/25 09:06	09/04/25 13:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/25 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/09/25 04:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/25 16:56	09/09/25 04:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/25 16:56	09/09/25 04:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/25 16:56	09/09/25 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				09/02/25 16:56	09/09/25 04:23	1
o-Terphenyl	110		70 - 130				09/02/25 16:56	09/09/25 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			09/05/25 09:20	1

Client Sample ID: CS - 32

Lab Sample ID: 890-8743-3

Date Collected: 09/02/25 10:10

Matrix: Solid

Date Received: 09/02/25 12:40

Sample Depth: 5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00730		0.00201		mg/Kg		09/03/25 08:00	09/04/25 02:06	1
Toluene	0.0124		0.00201		mg/Kg		09/03/25 08:00	09/04/25 02:06	1
Ethylbenzene	0.0724		0.00201		mg/Kg		09/03/25 08:00	09/04/25 02:06	1
m-Xylene & p-Xylene	0.0303		0.00402		mg/Kg		09/03/25 08:00	09/04/25 02:06	1
o-Xylene	0.0816		0.00201		mg/Kg		09/03/25 08:00	09/04/25 02:06	1
Xylenes, Total	0.112		0.00402		mg/Kg		09/03/25 08:00	09/04/25 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	493	S1+	70 - 130	09/03/25 08:00	09/04/25 02:06	1
1,4-Difluorobenzene (Surr)	125		70 - 130	09/03/25 08:00	09/04/25 02:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.204		0.00402		mg/Kg			09/04/25 02:06	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			09/09/25 04:37	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Client Sample ID: CS - 32

Lab Sample ID: 890-8743-3

Date Collected: 09/02/25 10:10

Matrix: Solid

Date Received: 09/02/25 12:40

Sample Depth: 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	<49.9	U	49.9		mg/Kg		09/02/25 16:56	09/09/25 04:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/25 16:56	09/09/25 04:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/25 16:56	09/09/25 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/02/25 16:56	09/09/25 04:37	1
o-Terphenyl	110		70 - 130				09/02/25 16:56	09/09/25 04:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.9		10.1		mg/Kg			09/05/25 09:26	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8743-1	CS - 26	108	120
890-8743-2	CS - 27	108	121
890-8743-3	CS - 32	493 S1+	125
LCS 880-117995/1-A	Lab Control Sample	89	101
LCS 880-118217/1-A	Lab Control Sample	101	101
LCSD 880-117995/2-A	Lab Control Sample Dup	92	102
LCSD 880-118217/2-A	Lab Control Sample Dup	101	97
MB 880-117995/5-A	Method Blank	96	140 S1+
MB 880-118217/5-A	Method Blank	94	138 S1+
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)
890-8743-1	CS - 26	112	112
890-8743-2	CS - 27	111	110
890-8743-3	CS - 32	110	110
LCS 880-118108/2-A	Lab Control Sample	109	106
LCSD 880-118108/3-A	Lab Control Sample Dup	110	107
MB 880-118108/1-A	Method Blank	94	95
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117995/5-A

Matrix: Solid

Analysis Batch: 118182

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/25 08:00	09/03/25 18:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/25 08:00	09/03/25 18:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/25 08:00	09/03/25 18:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/02/25 08:00	09/03/25 18:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/25 08:00	09/03/25 18:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/02/25 08:00	09/03/25 18:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	09/02/25 08:00	09/03/25 18:01	1
1,4-Difluorobenzene (Surr)	140	S1+	70 - 130	09/02/25 08:00	09/03/25 18:01	1

Lab Sample ID: LCS 880-117995/1-A

Matrix: Solid

Analysis Batch: 118182

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1017		mg/Kg		102	70 - 130
Toluene	0.100	0.1114		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.1974		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09890		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-117995/2-A

Matrix: Solid

Analysis Batch: 118182

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1008		mg/Kg		101	70 - 130	1	35
Toluene	0.100	0.1080		mg/Kg		108	70 - 130	3	35
Ethylbenzene	0.100	0.09901		mg/Kg		99	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1931		mg/Kg		97	70 - 130	2	35
o-Xylene	0.100	0.09707		mg/Kg		97	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-118217/5-A

Matrix: Solid

Analysis Batch: 118210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 11:41	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-118217/5-A

Matrix: Solid

Analysis Batch: 118210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/04/25 09:06	09/04/25 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/04/25 09:06	09/04/25 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/04/25 09:06	09/04/25 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	09/04/25 09:06	09/04/25 11:41	1
1,4-Difluorobenzene (Surr)	138	S1+	70 - 130	09/04/25 09:06	09/04/25 11:41	1

Lab Sample ID: LCS 880-118217/1-A

Matrix: Solid

Analysis Batch: 118210

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08008		mg/Kg		80	70 - 130
Toluene	0.100	0.09116		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08559		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1706		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08660		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-118217/2-A

Matrix: Solid

Analysis Batch: 118210

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 118217

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08221		mg/Kg		82	70 - 130	3	35
Toluene	0.100	0.09281		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.08808		mg/Kg		88	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1732		mg/Kg		87	70 - 130	1	35
o-Xylene	0.100	0.08786		mg/Kg		88	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-118108/1-A

Matrix: Solid

Analysis Batch: 118424

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118108

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		09/02/25 16:56	09/09/25 01:16	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-118108/1-A

Matrix: Solid

Analysis Batch: 118424

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 118108

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/25 16:56	09/09/25 01:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/25 16:56	09/09/25 01:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				09/02/25 16:56	09/09/25 01:16	1
o-Terphenyl	95		70 - 130				09/02/25 16:56	09/09/25 01:16	1

Lab Sample ID: LCS 880-118108/2-A

Matrix: Solid

Analysis Batch: 118424

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 118108

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	872.8		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	921.2		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	109		70 - 130				
o-Terphenyl	106		70 - 130				

Lab Sample ID: LCSD 880-118108/3-A

Matrix: Solid

Analysis Batch: 118424

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 118108

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	891.5		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	904.3		mg/Kg		90	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	110		70 - 130						
o-Terphenyl	107		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-118106/1-A

Matrix: Solid

Analysis Batch: 118279

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			09/05/25 06:29	1

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-118106/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 118279

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.2		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-118106/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 118279

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.1		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

GC VOA

Prep Batch: 117995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-3	CS - 32	Total/NA	Solid	5035	
MB 880-117995/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117995/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117995/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 118182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-3	CS - 32	Total/NA	Solid	8021B	117995
MB 880-117995/5-A	Method Blank	Total/NA	Solid	8021B	117995
LCS 880-117995/1-A	Lab Control Sample	Total/NA	Solid	8021B	117995
LCSD 880-117995/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117995

Analysis Batch: 118210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-1	CS - 26	Total/NA	Solid	8021B	118217
890-8743-2	CS - 27	Total/NA	Solid	8021B	118217
MB 880-118217/5-A	Method Blank	Total/NA	Solid	8021B	118217
LCS 880-118217/1-A	Lab Control Sample	Total/NA	Solid	8021B	118217
LCSD 880-118217/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	118217

Prep Batch: 118217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-1	CS - 26	Total/NA	Solid	5035	
890-8743-2	CS - 27	Total/NA	Solid	5035	
MB 880-118217/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-118217/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-118217/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 118277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-1	CS - 26	Total/NA	Solid	Total BTEX	
890-8743-2	CS - 27	Total/NA	Solid	Total BTEX	
890-8743-3	CS - 32	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 118108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-1	CS - 26	Total/NA	Solid	8015NM Prep	
890-8743-2	CS - 27	Total/NA	Solid	8015NM Prep	
890-8743-3	CS - 32	Total/NA	Solid	8015NM Prep	
MB 880-118108/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-118108/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-118108/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 118424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-1	CS - 26	Total/NA	Solid	8015B NM	118108
890-8743-2	CS - 27	Total/NA	Solid	8015B NM	118108
890-8743-3	CS - 32	Total/NA	Solid	8015B NM	118108
MB 880-118108/1-A	Method Blank	Total/NA	Solid	8015B NM	118108

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QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 118424 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-118108/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	118108
LCSD 880-118108/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	118108

Analysis Batch: 118505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-1	CS - 26	Total/NA	Solid	8015 NM	
890-8743-2	CS - 27	Total/NA	Solid	8015 NM	
890-8743-3	CS - 32	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 118106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-1	CS - 26	Soluble	Solid	DI Leach	
890-8743-2	CS - 27	Soluble	Solid	DI Leach	
890-8743-3	CS - 32	Soluble	Solid	DI Leach	
MB 880-118106/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-118106/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-118106/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 118279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8743-1	CS - 26	Soluble	Solid	300.0	118106
890-8743-2	CS - 27	Soluble	Solid	300.0	118106
890-8743-3	CS - 32	Soluble	Solid	300.0	118106
MB 880-118106/1-A	Method Blank	Soluble	Solid	300.0	118106
LCS 880-118106/2-A	Lab Control Sample	Soluble	Solid	300.0	118106
LCSD 880-118106/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	118106

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Client Sample ID: CS - 26

Lab Sample ID: 890-8743-1

Date Collected: 09/02/25 10:00

Matrix: Solid

Date Received: 09/02/25 12:40

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	118217	09/04/25 09:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118210	09/04/25 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118277	09/04/25 12:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			118505	09/09/25 04:09	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	118108	09/02/25 16:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118424	09/09/25 04:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	118106	09/02/25 16:29	SA	EET MID
Soluble	Analysis	300.0		1			118279	09/05/25 09:13	SMC	EET MID

Client Sample ID: CS - 27

Lab Sample ID: 890-8743-2

Date Collected: 09/02/25 10:05

Matrix: Solid

Date Received: 09/02/25 12:40

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	118217	09/04/25 09:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118210	09/04/25 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118277	09/04/25 13:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			118505	09/09/25 04:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	118108	09/02/25 16:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118424	09/09/25 04:23	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	118106	09/02/25 16:29	SA	EET MID
Soluble	Analysis	300.0		1			118279	09/05/25 09:20	SMC	EET MID

Client Sample ID: CS - 32

Lab Sample ID: 890-8743-3

Date Collected: 09/02/25 10:10

Matrix: Solid

Date Received: 09/02/25 12:40

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	117995	09/03/25 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	118182	09/04/25 02:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			118277	09/04/25 02:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			118505	09/09/25 04:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	118108	09/02/25 16:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	118424	09/09/25 04:37	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	118106	09/02/25 16:29	SA	EET MID
Soluble	Analysis	300.0		1			118279	09/05/25 09:26	SMC	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: Flagler 8 Federal #012H

Job ID: 890-8743-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8743-1	CS - 26	Solid	09/02/25 10:00	09/02/25 12:40	5
890-8743-2	CS - 27	Solid	09/02/25 10:05	09/02/25 12:40	5
890-8743-3	CS - 32	Solid	09/02/25 10:10	09/02/25 12:40	5

- 1
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- 3
- 4
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- 12
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- 14



Environment Testing

Chain of Custody

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

Work Order No.

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:	gimoreno@earthsys.net

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

[illegible]

Total 200.7 / 6010 200.8 / 6020:

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

Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, 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
		9/12 1240			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8743-1

SDG Number: Lea County, NM

Login Number: 8743

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8743-1

SDG Number: Lea County, NM

Login Number: 8743

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 09/03/25 08:17 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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 522751

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 522751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512561686
Incident Name	NAPP2512561686 FLAGLER 8 FEDERAL #012H @ 30-025-45163
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-45163] FLAGLER 8 FEDERAL #012H

Location of Release Source

Please answer all the questions in this group.

Site Name	FLAGLER 8 FEDERAL #012H
Date Release Discovered	05/04/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 14 BBL Recovered: 0 BBL Lost: 14 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)	Shallow flow line developed pinhole leak and allowed fluids to impact pad surface.

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QUESTIONS, Page 2

Action 522751

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 522751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 11/04/2025
--	---

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QUESTIONS, Page 3

Action 522751

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 522751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>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.</i>	
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)	6770
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	27100
GRO+DRO (EPA SW-846 Method 8015M)	22300
BTEX (EPA SW-846 Method 8021B or 8260B)	106
Benzene (EPA SW-846 Method 8021B or 8260B)	1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/04/2025
On what date will (or did) the final sampling or liner inspection occur	09/02/2025
On what date will (or was) the remediation complete(d)	09/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	6600
What is the estimated volume (in cubic yards) that will be reclaimed	1200
What is the estimated surface area (in square feet) that will be remediated	6600
What is the estimated volume (in cubic yards) that will be remediated	1200
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 522751

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 522751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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@dv.com Date: 11/04/2025
<i>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.</i>	

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QUESTIONS, Page 5

Action 522751

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 522751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 522751

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 522751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	500485
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/02/2025
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	8802

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	6600
What was the total volume (cubic yards) remediated	1200
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	6600
What was the total volume (in cubic yards) reclaimed	1200
Summarize any additional remediation activities not included by answers (above)	The Site was remediated according to Site Closure Criteria and has been backfilled with clean, locally sourced material.
<i>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>	
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: 11/04/2025

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QUESTIONS, Page 7

Action 522751

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 522751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 522751

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 522751
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	12/2/2025