

ABOVEGROUND SPILL AMOUNT CALCULATION FORMULA

$$\text{Volume} = \frac{\text{Length of spill} \times \text{Width of spill} \times \text{Thickness of spill}}{5.61 \text{ cuft/bbl}}$$

HOW LONG (in FEET)	145	} Enter Spill Details Here
HOW WIDE (in FEET)	51	
HOW THICK (in INCHES)	0.2	

SPILL VOLUME IN BBLs **21.97**

SPILL VOLUME IN GALS **922.7**

NOTE: Fractions of feet or inches need to be in decimals, ex. 1/2 is 0.5.

USE THIS CALCULATOR FOR ABOVEGROUND RELEASE VOLUMES
Includes fluids/mud/soil/etc. that is in containment or has not percolated down into the ground.



February 18, 2026

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

RE: **War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report Addendum**
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°
Eddy County, New Mexico
ESRR Project No. 341

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Civitas Resources (Civitas), presents the following Closure Request Report Addendum (CRR) to document No Further Action (NFA) is warranted for the inadvertent release of crude oil and produced water at the War Horse Federal Com #3H Well Pad and Tank Battery (Site). Based on the recent soil sampling event and previously completed remedial actions documented in the previously submitted Closure Request Report (CRR), Civitas is requesting NFA at the Site until plugging and abandonment (P&A) activities and/or major facility deconstruction, whichever comes first.

This CRR presents the additional data following the rejection of the previously submitted CRR for Incident Number nAPP2511554072. The CRR, submitted on January 8, 2026, was rejected by the New Mexico Oil Conservation Division (NMOCD) on January 14, 2026, for the following reason:

- *"The Remediation Closure Report is Denied. Any area designated as a "release area" or "area of concern" will need to have 5-point composite confirmation soil samples conducted within the entire boundary of that area. Collect 5-point confirmation samples every 200 ft² throughout the entire release area and not just at delineation sample point locations that show contaminants over closure criteria standards. If horizontal delineation samples on pad eventually reach a mechanical barrier/equipment, a sidewall sample will need to be conducted to ensure the release didn't go underneath the mechanical barrier/equipment."*

On January 19, 2026, ESRR conducted additional soil sampling activities to address the NMOCD's reason for rejection. Thirty additional confirmation soil samples (CS-16 through CS-41 and SW-5 through SW-9) were collected *throughout the entire release area*. The confirmation soil samples were comprised of five-point composite soil samples at a sampling frequency of 200 square feet. The confirmation soil samples were placed directly into lab-provided pre-cleaned jars, packed with minimal void space, labeled, placed on ice, and transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of total petroleum hydrocarbons, chloride, benzene, and BTEX. Laboratory analytical results for all final confirmation soil samples were compliant with Site Closure Criteria and/or the reclamation standard. Laboratory analytical results are summarized in **Table 1**, included in the attachments. The locations of the final confirmation soil samples are represented in **Figure 2**. **Photographic Documentation** of activities is attached.

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report Addendum
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



Based on the recent laboratory analytical results in addition to the completed remedial actions documented in the previously submitted CRR, Civitas believes these 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. Civitas will reassess the Site during P&A activities and/or major facility deconstruction, whichever comes first, and address soil concentrations above the reclamation requirements of 100 mg/kg for TPH and 600 mg/kg for chloride. The final remediation will be confirmed via final confirmation sampling and is subject to change. As such, NFA appears warranted at this time, and Civitas respectfully requests Closure of this CRR associated with Incident Number nAPP2511554072.

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, executed chain-of-custody forms and laboratory analytical reports**, and the **archived report** are attached.

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

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

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

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

Kris Williams, CHMM, REM
Principal

cc: Mason Jones, Civitas Resources
Bureau of Land Management

Attachments:

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

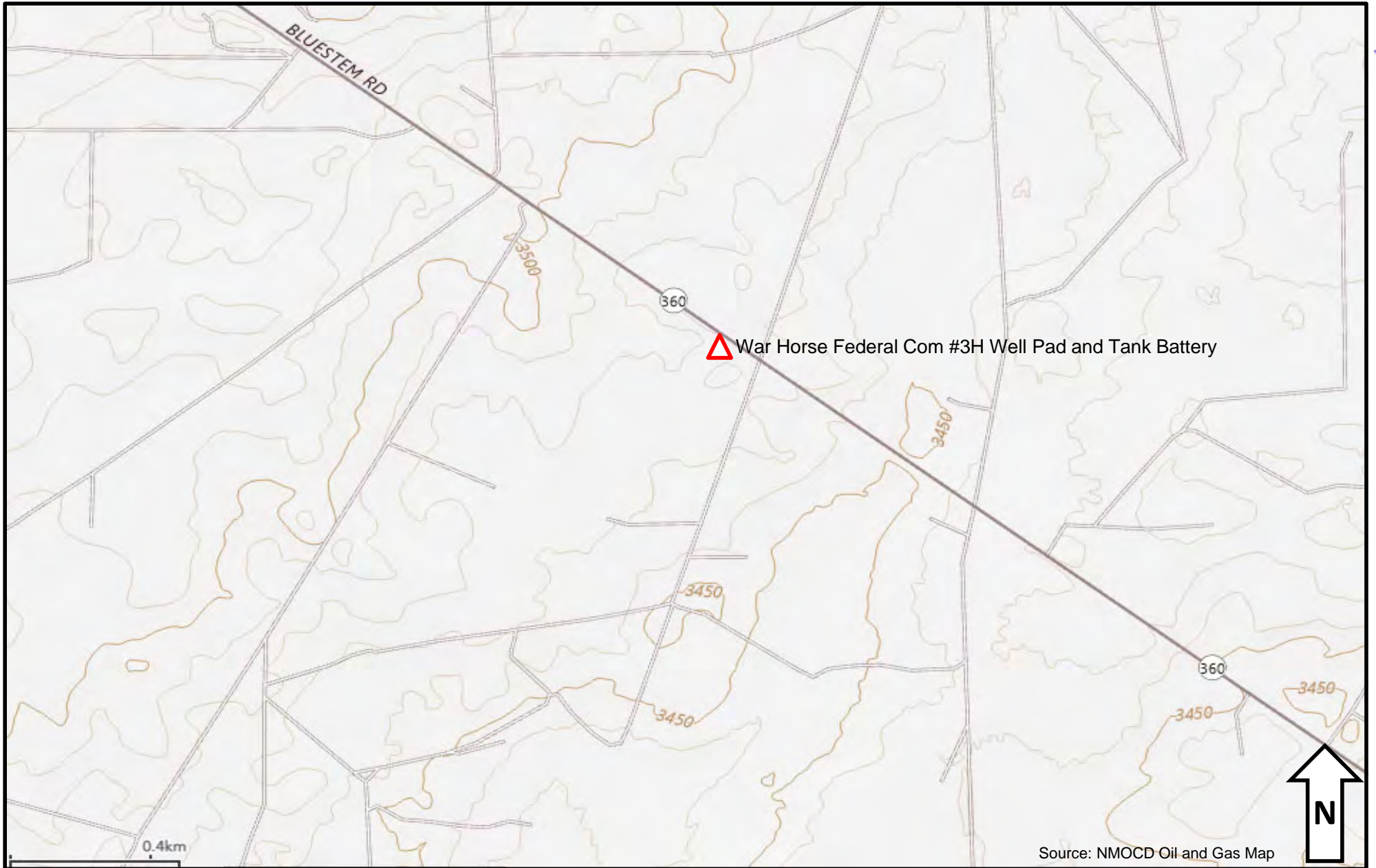


Figure 1 – Site Map

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
 GPS: 32.731885°, -104.07158°
 Eddy County, New Mexico



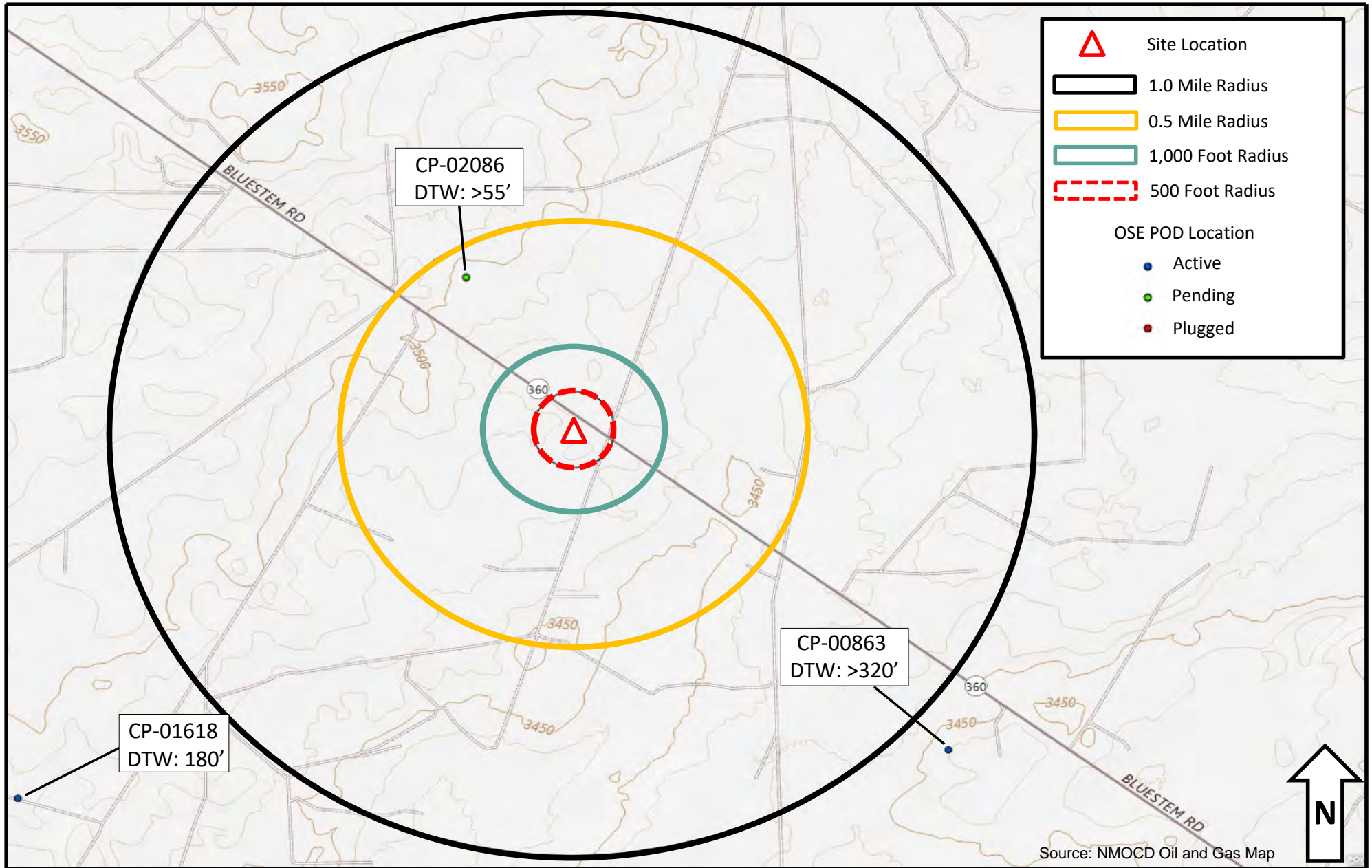


Figure 1A – Groundwater

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
 GPS: 32.731885°, -104.07158°
 Eddy County, New Mexico





Figure 1B – Karst Potential
 Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
 GPS: 32.731885°,-104.07158°
 Eddy County, New Mexico



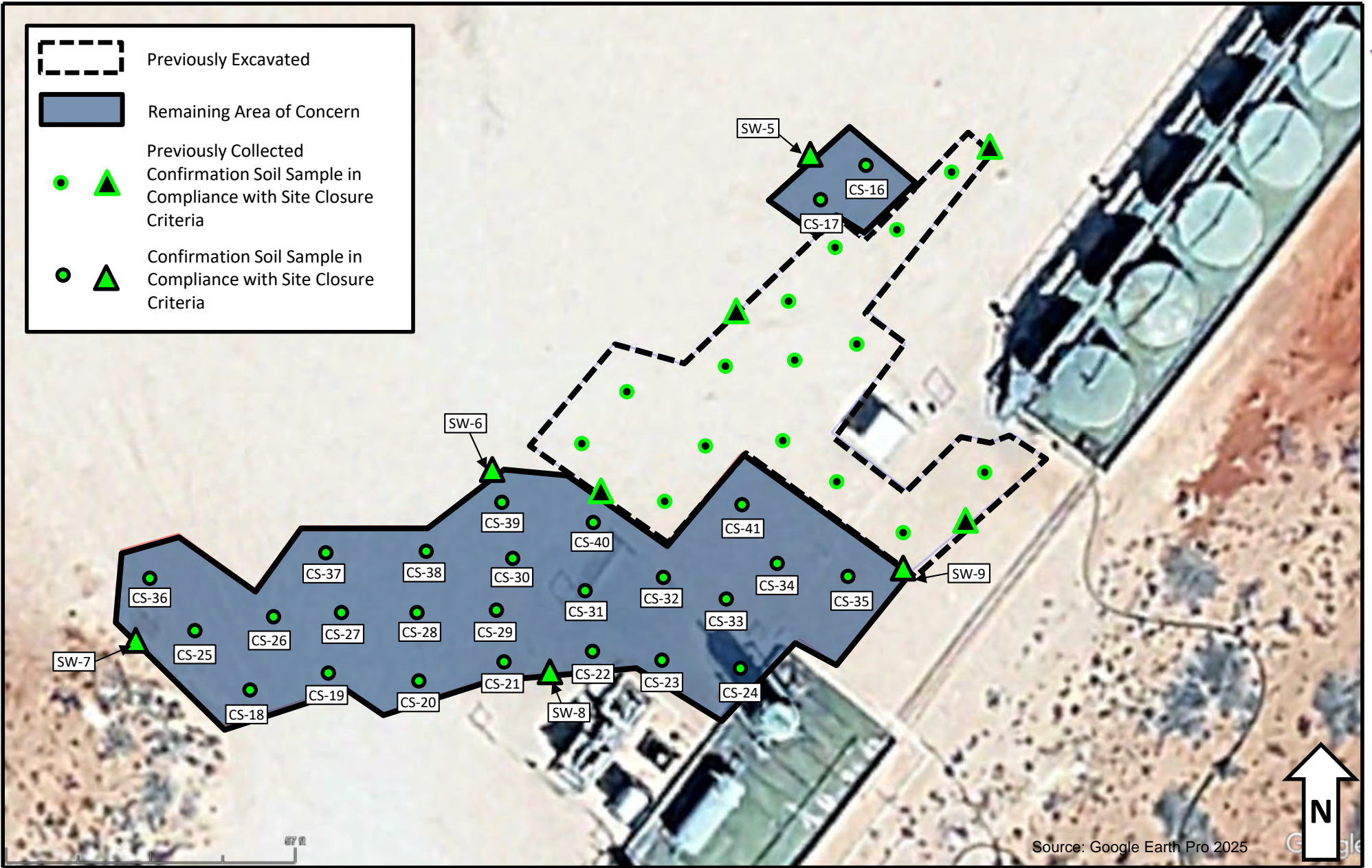


Figure 2 – Confirmation Soil Sample Locations

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
GPS: 32.731885°, -104.07158°
Eddy County, New Mexico





Figure 3 – Future Restoration Areas

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
 GPS: 32.731885°, -104.07158°
 Eddy 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		WELL TAG ID NO.		OSE FILE NO(S) CP-2086		
	WELL OWNER NAME(S) Civitas Permian Operating				PHONE (OPTIONAL) 512-635-0129		
	WELL OWNER MAILING ADDRESS 6301 Holiday Hill Rd. Unit #201				CITY Midland	STATE TX	ZIP 79707
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE	32	44	13.9 N		
	LONGITUDE	104	4.0	29.10 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NENE S-21 T-18S R-29E							

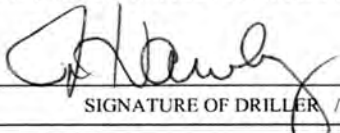
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 9/24/25	DRILLING ENDED 9/24/25	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry hole			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) NA	DATE STATIC MEASURED 9/29/25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				No Casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.		POD NO.	TRN NO.		
LOCATION			WELL TAG ID NO.	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	20	20	brown sandy caliche	Y <input checked="" type="checkbox"/> N	
	20	35	15	Fine red Sand and Caliche	Y <input checked="" type="checkbox"/> N	
	35	55	20	coarse grayish red clay	Y <input checked="" type="checkbox"/> N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: N/A					TOTAL ESTIMATED WELL YIELD (gpm):	

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: well was drilled and cased on 9/24/25, we encountered lost circulation at 55' is why bore was not advanced to 105', gauged on 9/29/25, well bore was dry, casing was removed and well was plugged pursuant to the approved plugging plan.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley _____ DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2	



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2086 Pod-1
Well owner: Civitas Permian Operating Phone No.: 512-635-0129
Mailing address: 6301 Holiday Hill Rd. Unit #201
City: Midland State: TX Zip code: 79707

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): James Hawley
- 4) Date well plugging began: 9/29/25 Date well plugging concluded: 9/29/25
- 5) GPS Well Location: Latitude: 32 deg, 44 min, 13.9 sec
Longitude: 104 deg, 4.0 min, 29.10 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 8/15/25
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report Addendum
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



PHOTO 1: Southwestern view during confirmation sampling activities. 1/19/2026



PHOTO 2: Southwestern view during confirmation sampling activities. 1/19/2026

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report Addendum
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



PHOTO 3: Northwestern view of location sign. 1/19/2026

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
War Horse Federal Com #3H Well Pad and Tank Battery
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - nAPP2511554072										
HA - 1	05/01/25	0.5	1.97	348	3,890	8,230	<502	12,120	12,100	100
HA - 1	05/01/25	1	0.00222	0.00787	<50.0	113	<50.0	113	113	90.9
HA - 2	05/01/25	0.5	0.00767	0.293	75.6	1,400	<49.9	1,476	1,480	2,910
HA - 2	05/01/25	1	<0.00199	0.048	<50.4	196	<50.4	196	196	1,960
HA - 2	05/01/25	2	<0.00198	0.0117	<50.2	<50.2	<50.2	<50.2	<50.2	523
HA - 2	05/01/25	4	<0.00202	<0.00404	<50.3	<50.3	<50.3	<50.3	<50.3	210
HA - 3	05/01/25	0.5	0.0226	2.42	278	2,070	<50.0	2,348	2,350	2,490
HA - 3	05/01/25	1	0.00809	0.377	57.7	981	<49.9	1,039	1,040	919
HA - 3	05/01/25	2	<0.00200	<0.00400	<50.0	139	<50.0	139	139	456
HA - 3	05/01/25	4R	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	181
HA - 4	05/01/25	0.5	0.00518	0.0676	<50.1	440	<50.1	440	440	2,880
HA - 4	05/01/25	1	<0.00201	0.07	<50.3	98	<50.3	97.9	97.9	614
HA - 4	05/01/25	2	<0.00199	0.00757	<50.0	<50.0	<50.0	<50.0	<50.0	279
HA - 4	05/01/25	4R	<0.00200	0.0114	<49.8	<49.8	<49.8	<49.8	<49.8	219
HA - 5	05/01/25	0.5	4.37	646	4,340	10,100	<498	14,440	14,400	150
HA - 5	05/01/25	1	<0.00199	0.136	<49.9	328	<49.9	328	328	123
HA - 5	05/01/25	2	<0.00198	0.09	<49.8	235	<49.8	235	235	136
HA - 5	05/01/25	4R	<0.00199	0.0256	<49.9	<49.9	<49.9	<49.9	<49.9	106
HA - 6	05/01/25	0.5	0.00586	0.0832	<50.0	121	<50.0	121	121	5,230
HA - 6	05/01/25	1R	<0.00200	0.017	<49.8	<49.8	<49.8	<49.8	<49.8	554
HA - 7	05/01/25	0.5	0.00494	0.0886	<49.9	379	<49.9	379	379	3,250
HA - 7	05/01/25	1R	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	649
HA - 8	05/01/25	0.5	0.0118	0.0838	<49.8	464	<49.8	464	464	1,080
HA - 8	05/01/25	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	412
HA - 9	05/01/25	0.5	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	132
HA - 9	05/01/25	1	<0.00202	<0.00404	<50.2	<50.2	<50.2	<50.2	<50.2	109
HA - 9	05/01/25	2R	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	95.3
HA - 10	05/01/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	112
HA - 11	05/01/25	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	104
HA - 11	05/01/25	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	131



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 War Horse Federal Com #3H Well Pad and Tank Battery
 Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - nAPP2511554072										
HA - 12	05/01/25	0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	186
HA - 13	05/01/25	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	429
HA - 13	05/01/25	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	191
HA - 13	05/01/25	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	160
HA - 13	05/01/25	4R	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	135
HA - 14	05/01/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	269
HA - 14	05/01/25	1	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	245
HA - 15	05/01/25	0.5	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	193
Confirmation Soil Samples - nAPP2511554072										
SW - 1	11/07/25	0-2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	31.2
SW - 2	11/07/25	0-1	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	25.8
SW - 3	11/07/25	0-1	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	185
SW - 4	11/07/25	0-1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	70.4
SW - 5	01/19/26	0-0.25	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	78.7
SW - 6	01/19/26	0-0.25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	62.9
SW - 7	01/19/26	0-0.25	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	46.5
SW - 8	01/19/26	0-0.25	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	98.8
SW - 9	01/19/26	0-0.25	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	174
CS - 1	11/07/25	2	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	176
CS - 2	11/07/25	2	<0.00201	<0.00402	<50.1	57.4	90.6	148	148	132
CS - 3	11/07/25	2	<0.00202	<0.00404	<49.7	<49.7	61.8	61.8	61.8	34.3
CS - 4	11/07/25	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	39.4
CS - 5	11/07/25	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	95.7
CS - 6	11/07/25	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	79.6
CS - 7	11/07/25	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	71.8
CS - 8	11/07/25	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	12.4
CS - 9	11/07/25	1	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	21.2
CS - 10	11/07/25	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	650
CS - 11	11/07/25	1.00	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	146
CS - 12	11/07/25	1.00	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	1,190



**Table 1
SOIL SAMPLE ANALYTICAL RESULTS
War Horse Federal Com #3H Well Pad and Tank Battery
Eddy County, New Mexico**



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Soil Samples - nAPP2511554072										
CS - 13	11/07/25	1.00	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	314
CS - 14	11/07/25	1.00	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	276
CS - 15	11/07/25	1.00	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	170
CS-16	01/19/26	0.25	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	119
CS-17	01/19/26	0.25	<0.00201	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	41.4
CS-18	01/19/26	0.25	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	174
CS-19	01/19/26	0.25	<0.00199	<0.00398	<49.9	280	<49.9	280	280	712
CS-20	01/19/26	0.25	<0.00200	0.00631	<50.0	350	<50.0	350	350	1,000
CS-21	01/19/26	0.25	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	119
CS-22	01/19/26	0.25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	2,050
CS-23	01/19/26	0.25	<0.00200	<0.00401	<49.8	355	53.7	409	409	2,740
CS-24	01/19/26	0.25	<0.00199	<0.00398	<50.0	292	<50.0	292	292	1,390
CS-25	01/19/26	0.25	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	1,320
CS-26	01/19/26	0.25	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	40.4
CS-27	01/19/26	0.25	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	152
CS-28	01/19/26	0.25	<0.00199	0.00483	<50.4	<50.4	<50.4	<50.4	<50.4	165
CS-29	01/19/26	0.25	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	<50.5	127
CS-30	01/19/26	0.25	<0.00200	<0.00400	<50.1	<50.1	<50.1	<50.1	<50.1	78.5
CS-31	01/19/26	0.25	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	55.3
CS-32	01/19/26	0.25	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	22.2
CS-33	01/19/26	0.25	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	686
CS-34	01/19/26	0.25	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,930
CS-35	01/19/26	0.25	<0.00198	<0.00396	<50.0	339	<50.0	339	339	2,610
CS-36	01/19/26	0.25	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	113
CS-37	01/19/26	0.25	<0.00202	<0.00404	<50.5	<50.5	<50.5	<50.5	<50.5	17.4
CS-38	01/19/26	0.25	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	80.3
CS-39	01/19/26	0.25	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	64.4



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
War Horse Federal Com #3H Well Pad and Tank Battery
Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Soil Samples - nAPP2511554072										
CS-40	01/19/26	0.25	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	215
CS-41	01/19/26	0.25	<0.00201	0.00455	<49.9	184	<49.9	184	184	1,370

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.
R: refusal

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 543556

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 543556
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511554072
Incident Name	NAPP2511554072 WAR HORSE FEDERAL COM #3H WELL PAD AND TANK BATTER @ I-21-18S-29E
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	War Horse Federal Com #3H Well Pad and Tank Batter
Date Release Discovered	04/24/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,849
What is the estimated number of samples that will be gathered	24
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/19/2026
Time sampling will commence	10:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i>	
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.731885, -104.07158

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 543556

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 543556
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
mjones01	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/15/2026
mjones01	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	1/15/2026



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

Generated 1/26/2026 3:03:17 PM

JOB DESCRIPTION

War Horse Federal Com
 Eddy County, NM

JOB NUMBER

890-9383-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



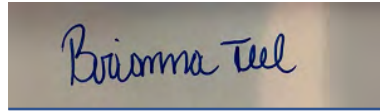
Eurofins Carlsbad

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
1/26/2026 3:03:17 PM

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

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

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Laboratory Job ID: 890-9383-1
SDG: Eddy County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	23

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9383-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: War Horse Federal Com

Job ID: 890-9383-1

Job ID: 890-9383-1

Eurofins Carlsbad

Job Narrative 890-9383-1

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 1/19/2026 3:44 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 -9.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-5 (890-9383-1), SW-6 (890-9383-2), SW-7 (890-9383-3), SW-8 (890-9383-4) and SW-9 (890-9383-5).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-129354/1-A). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW-7 (890-9383-3), (MB 880-129421/1-A) and (890-9381-A-5-C MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Carlsbad



Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Client Sample ID: SW-5

Lab Sample ID: 890-9383-1

Date Collected: 01/19/26 12:10

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/20/26 08:00	01/20/26 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/20/26 08:00	01/20/26 14:04	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/20/26 08:00	01/20/26 14:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/20/26 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/24/26 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	<50.1	U	50.1		mg/Kg		01/20/26 09:51	01/24/26 05:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/20/26 09:51	01/24/26 05:43	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/20/26 09:51	01/24/26 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	01/20/26 09:51	01/24/26 05:43	1
o-Terphenyl	120		70 - 130	01/20/26 09:51	01/24/26 05:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.7		9.92		mg/Kg			01/21/26 17:56	1

Client Sample ID: SW-6

Lab Sample ID: 890-9383-2

Date Collected: 01/19/26 12:15

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 14:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 14:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 14:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/26 08:00	01/20/26 14:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 14:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/26 08:00	01/20/26 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/20/26 08:00	01/20/26 14:25	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Client Sample ID: SW-6

Lab Sample ID: 890-9383-2

Date Collected: 01/19/26 12:15

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0-0.25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130	01/20/26 08:00	01/20/26 14:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/20/26 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/26 06:03	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		01/20/26 09:51	01/24/26 06:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:51	01/24/26 06:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:51	01/24/26 06:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	01/20/26 09:51	01/24/26 06:03	1
o-Terphenyl	122		70 - 130	01/20/26 09:51	01/24/26 06:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.9		9.98		mg/Kg			01/21/26 18:01	1

Client Sample ID: SW-7

Lab Sample ID: 890-9383-3

Date Collected: 01/19/26 12:20

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/20/26 08:00	01/20/26 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/20/26 08:00	01/20/26 14:45	1
1,4-Difluorobenzene (Surr)	77		70 - 130	01/20/26 08:00	01/20/26 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/20/26 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/24/26 06:23	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Client Sample ID: SW-7

Lab Sample ID: 890-9383-3

Date Collected: 01/19/26 12:20

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/20/26 09:51	01/24/26 06:23	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/20/26 09:51	01/24/26 06:23	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/20/26 09:51	01/24/26 06:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	203	S1+	70 - 130				01/20/26 09:51	01/24/26 06:23	1
o-Terphenyl	189	S1+	70 - 130				01/20/26 09:51	01/24/26 06:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.5		9.94		mg/Kg			01/21/26 18:06	1

Client Sample ID: SW-8

Lab Sample ID: 890-9383-4

Date Collected: 01/19/26 12:25

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0-0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/26 08:00	01/20/26 15:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/26 08:00	01/20/26 15:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/26 08:00	01/20/26 15:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/26 08:00	01/20/26 15:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/26 08:00	01/20/26 15:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/26 08:00	01/20/26 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				01/20/26 08:00	01/20/26 15:06	1
1,4-Difluorobenzene (Surr)	78		70 - 130				01/20/26 08:00	01/20/26 15:06	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			01/20/26 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/24/26 06:43	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	<50.4	U	50.4		mg/Kg		01/20/26 09:51	01/24/26 06:43	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/20/26 09:51	01/24/26 06:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/20/26 09:51	01/24/26 06:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				01/20/26 09:51	01/24/26 06:43	1
o-Terphenyl	100		70 - 130				01/20/26 09:51	01/24/26 06:43	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Client Sample ID: SW-8

Lab Sample ID: 890-9383-4

Date Collected: 01/19/26 12:25
 Date Received: 01/19/26 15:44
 Sample Depth: 0-0.25

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		9.98		mg/Kg			01/21/26 18:11	1

Client Sample ID: SW-9

Lab Sample ID: 890-9383-5

Date Collected: 01/19/26 12:30
 Date Received: 01/19/26 15:44
 Sample Depth: 0-0.25

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 15:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 15:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 15:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/26 08:00	01/20/26 15:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 15:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/26 08:00	01/20/26 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/20/26 08:00	01/20/26 15:26	1
1,4-Difluorobenzene (Surr)	79		70 - 130				01/20/26 08:00	01/20/26 15:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/20/26 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/24/26 07:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/20/26 09:51	01/24/26 07:03	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/20/26 09:51	01/24/26 07:03	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/20/26 09:51	01/24/26 07:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				01/20/26 09:51	01/24/26 07:03	1
o-Terphenyl	113		70 - 130				01/20/26 09:51	01/24/26 07:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		10.1		mg/Kg			01/22/26 21:50	1

Surrogate Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9383-1	SW-5	103	76
890-9383-2	SW-6	99	77
890-9383-3	SW-7	101	77
890-9383-4	SW-8	106	78
890-9383-5	SW-9	100	79
LCS 880-129354/1-A	Lab Control Sample	102	68 S1-
LCSD 880-129354/2-A	Lab Control Sample Dup	102	95
MB 880-129354/5-A	Method Blank	111	72

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)
890-9383-1	SW-5	125	120
890-9383-2	SW-6	128	122
890-9383-3	SW-7	203 S1+	189 S1+
890-9383-4	SW-8	103	100
890-9383-5	SW-9	120	113
LCS 880-129421/2-A	Lab Control Sample	130	93
LCSD 880-129421/3-A	Lab Control Sample Dup	104	94
MB 880-129421/1-A	Method Blank	151 S1+	127

Surrogate Legend
 1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-129354/5-A
 Matrix: Solid
 Analysis Batch: 129384

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 12:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/26 08:00	01/20/26 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 12:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/26 08:00	01/20/26 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/20/26 08:00	01/20/26 12:00	1
1,4-Difluorobenzene (Surr)	72		70 - 130	01/20/26 08:00	01/20/26 12:00	1

Lab Sample ID: LCS 880-129354/1-A
 Matrix: Solid
 Analysis Batch: 129384

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 129354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08515		mg/Kg		85	70 - 130
Toluene	0.100	0.09190		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08829		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1754		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08831		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130

Lab Sample ID: LCSD 880-129354/2-A
 Matrix: Solid
 Analysis Batch: 129384

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 129354

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09450		mg/Kg		95	70 - 130	10	35
Toluene	0.100	0.09541		mg/Kg		95	70 - 130	4	35
Ethylbenzene	0.100	0.09396		mg/Kg		94	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1920		mg/Kg		96	70 - 130	9	35
o-Xylene	0.100	0.09752		mg/Kg		98	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-129421/1-A
 Matrix: Solid
 Analysis Batch: 129764

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129421

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/26 09:51	01/24/26 03:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:51	01/24/26 03:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:51	01/24/26 03:23	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	151	S1+	70 - 130	01/20/26 09:51	01/24/26 03:23	1
o-Terphenyl	127		70 - 130	01/20/26 09:51	01/24/26 03:23	1

Lab Sample ID: LCS 880-129421/2-A
 Matrix: Solid
 Analysis Batch: 129764

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 129421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	830.5		mg/Kg		83	70 - 130

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

Lab Sample ID: LCSD 880-129421/3-A
 Matrix: Solid
 Analysis Batch: 129764

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 129421

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	876.7		mg/Kg		88	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	875.4		mg/Kg		88	70 - 130	5	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	94		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-129559/1-A
 Matrix: Solid
 Analysis Batch: 129584

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			01/21/26 15:43	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-129559/2-A
 Matrix: Solid
 Analysis Batch: 129584

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-129559/3-A
 Matrix: Solid
 Analysis Batch: 129584

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	238.6		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-129704/1-A
 Matrix: Solid
 Analysis Batch: 129705

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			01/22/26 15:37	1

Lab Sample ID: LCS 880-129704/2-A
 Matrix: Solid
 Analysis Batch: 129705

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-129704/3-A
 Matrix: Solid
 Analysis Batch: 129705

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	241.4		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9383-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 129354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-1	SW-5	Total/NA	Solid	5035	
890-9383-2	SW-6	Total/NA	Solid	5035	
890-9383-3	SW-7	Total/NA	Solid	5035	
890-9383-4	SW-8	Total/NA	Solid	5035	
890-9383-5	SW-9	Total/NA	Solid	5035	
MB 880-129354/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-129354/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-129354/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 129384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-1	SW-5	Total/NA	Solid	8021B	129354
890-9383-2	SW-6	Total/NA	Solid	8021B	129354
890-9383-3	SW-7	Total/NA	Solid	8021B	129354
890-9383-4	SW-8	Total/NA	Solid	8021B	129354
890-9383-5	SW-9	Total/NA	Solid	8021B	129354
MB 880-129354/5-A	Method Blank	Total/NA	Solid	8021B	129354
LCS 880-129354/1-A	Lab Control Sample	Total/NA	Solid	8021B	129354
LCSD 880-129354/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	129354

Analysis Batch: 129589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-1	SW-5	Total/NA	Solid	Total BTEX	
890-9383-2	SW-6	Total/NA	Solid	Total BTEX	
890-9383-3	SW-7	Total/NA	Solid	Total BTEX	
890-9383-4	SW-8	Total/NA	Solid	Total BTEX	
890-9383-5	SW-9	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 129421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-1	SW-5	Total/NA	Solid	8015NM Prep	
890-9383-2	SW-6	Total/NA	Solid	8015NM Prep	
890-9383-3	SW-7	Total/NA	Solid	8015NM Prep	
890-9383-4	SW-8	Total/NA	Solid	8015NM Prep	
890-9383-5	SW-9	Total/NA	Solid	8015NM Prep	
MB 880-129421/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-129421/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-129421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 129764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-1	SW-5	Total/NA	Solid	8015B NM	129421
890-9383-2	SW-6	Total/NA	Solid	8015B NM	129421
890-9383-3	SW-7	Total/NA	Solid	8015B NM	129421
890-9383-4	SW-8	Total/NA	Solid	8015B NM	129421
890-9383-5	SW-9	Total/NA	Solid	8015B NM	129421
MB 880-129421/1-A	Method Blank	Total/NA	Solid	8015B NM	129421
LCS 880-129421/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	129421
LCSD 880-129421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	129421

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9383-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 129951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-1	SW-5	Total/NA	Solid	8015 NM	
890-9383-2	SW-6	Total/NA	Solid	8015 NM	
890-9383-3	SW-7	Total/NA	Solid	8015 NM	
890-9383-4	SW-8	Total/NA	Solid	8015 NM	
890-9383-5	SW-9	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 129559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-1	SW-5	Soluble	Solid	DI Leach	
890-9383-2	SW-6	Soluble	Solid	DI Leach	
890-9383-3	SW-7	Soluble	Solid	DI Leach	
890-9383-4	SW-8	Soluble	Solid	DI Leach	
MB 880-129559/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-129559/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-129559/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 129584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-1	SW-5	Soluble	Solid	300.0	129559
890-9383-2	SW-6	Soluble	Solid	300.0	129559
890-9383-3	SW-7	Soluble	Solid	300.0	129559
890-9383-4	SW-8	Soluble	Solid	300.0	129559
MB 880-129559/1-A	Method Blank	Soluble	Solid	300.0	129559
LCS 880-129559/2-A	Lab Control Sample	Soluble	Solid	300.0	129559
LCSD 880-129559/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	129559

Leach Batch: 129704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-5	SW-9	Soluble	Solid	DI Leach	
MB 880-129704/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-129704/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-129704/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 129705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9383-5	SW-9	Soluble	Solid	300.0	129704
MB 880-129704/1-A	Method Blank	Soluble	Solid	300.0	129704
LCS 880-129704/2-A	Lab Control Sample	Soluble	Solid	300.0	129704
LCSD 880-129704/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	129704

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Client Sample ID: SW-5

Lab Sample ID: 890-9383-1

Date Collected: 01/19/26 12:10

Matrix: Solid

Date Received: 01/19/26 15:44

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	129354	01/20/26 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129384	01/20/26 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129589	01/20/26 14:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			129951	01/24/26 05:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	129421	01/20/26 09:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129764	01/24/26 05:43	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	129559	01/21/26 11:39	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129584	01/21/26 17:56	CS	EET MID

Client Sample ID: SW-6

Lab Sample ID: 890-9383-2

Date Collected: 01/19/26 12:15

Matrix: Solid

Date Received: 01/19/26 15:44

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	129354	01/20/26 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129384	01/20/26 14:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129589	01/20/26 14:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			129951	01/24/26 06:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129421	01/20/26 09:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129764	01/24/26 06:03	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	129559	01/21/26 11:39	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129584	01/21/26 18:01	CS	EET MID

Client Sample ID: SW-7

Lab Sample ID: 890-9383-3

Date Collected: 01/19/26 12:20

Matrix: Solid

Date Received: 01/19/26 15:44

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	129354	01/20/26 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129384	01/20/26 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129589	01/20/26 14:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			129951	01/24/26 06:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10.00 mL	129421	01/20/26 09:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129764	01/24/26 06:23	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	129559	01/21/26 11:39	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129584	01/21/26 18:06	CS	EET MID

Client Sample ID: SW-8

Lab Sample ID: 890-9383-4

Date Collected: 01/19/26 12:25

Matrix: Solid

Date Received: 01/19/26 15:44

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	129354	01/20/26 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129384	01/20/26 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129589	01/20/26 15:06	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9383-1
 SDG: Eddy County, NM

Client Sample ID: SW-8

Lab Sample ID: 890-9383-4

Date Collected: 01/19/26 12:25

Matrix: Solid

Date Received: 01/19/26 15:44

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			129951	01/24/26 06:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10.00 mL	129421	01/20/26 09:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129764	01/24/26 06:43	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	129559	01/21/26 11:39	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129584	01/21/26 18:11	CS	EET MID

Client Sample ID: SW-9

Lab Sample ID: 890-9383-5

Date Collected: 01/19/26 12:30

Matrix: Solid

Date Received: 01/19/26 15:44

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	129354	01/20/26 08:00	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129384	01/20/26 15:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129589	01/20/26 15:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			129951	01/24/26 07:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	129421	01/20/26 09:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129764	01/24/26 07:03	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	129704	01/22/26 14:34	SI	EET MID
Soluble	Analysis	300.0		1			129705	01/22/26 21:50	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9383-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9383-1
SDG: Eddy County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9383-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9383-1	SW-5	Solid	01/19/26 12:10	01/19/26 15:44	0-0.25
890-9383-2	SW-6	Solid	01/19/26 12:15	01/19/26 15:44	0-0.25
890-9383-3	SW-7	Solid	01/19/26 12:20	01/19/26 15:44	0-0.25
890-9383-4	SW-8	Solid	01/19/26 12:25	01/19/26 15:44	0-0.25
890-9383-5	SW-9	Solid	01/19/26 12:30	01/19/26 15:44	0-0.25

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



W:

www.xenco.com Page 1 of 1

Work Order Comments

Program: PRP Brownfields RRC Superfund

State of Project: Reporting: Level II Level III PST/UST TRRP Level IV

Deliverables: EDD ADaPT Other:

Chain of Custody

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

Environment Testing
 Xenco

Project Manager: Gilbert Moreno **Earth Systems R & R**

Company Name: Earth Systems R&R

Address: 1910 Resource Ct.

City, State ZIP: Carlsbad, NM, 88220

Phone: 832-541-7719 **Email:** gmoreno@earthsys.net, sgiron@earthsys.net

Turn Around Routine Rush

Company Name: War Horse Federal Com

Address: 341 Eddy County, NIM

City, State ZIP: Santiago Giron & Michael Benini

Phone: 832-541-7719 **Email:** gmoreno@earthsys.net, sgiron@earthsys.net

Due Date: Standard TAT

TAT starts the day received by the lab, if received by 4:30pm

Wet Ice: Yes No

Thermometer ID: *In memo*

Correction Factor: *-0.2*

Temperature Reading: *-9.2*

Corrected Temperature: *-9.0*

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters		Pres. Code
							TFH-NM	Chloride-NM	
SW-5	S	1.19.26	12:10	0-0.25	Comp	1	X	X	
SW-6	S	1.19.26	12:15	0-0.25	Comp	1	X	X	
SW-7	S	1.19.26	12:20	0-0.25	Comp	1	X	X	
SW-8	S	1.19.26	12:25	0-0.25	Comp	1	X	X	
SW-9	S	1.19.26	12:30	0-0.25	Comp	1	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010: 8RCRA** Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 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 \$95.00 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)	Date/Time	Relinquished by: (Signature)	Date/Time
<i>Michael Benini</i>	1-19 1544 ²		

ANALYSIS REQUEST

Sample	Analysis	Preservative Codes
		None: NO DI Water: H ₂ O
		Cool: Cool MeOH: Me
		HCL: HC HNO ₃ : HN
		H ₂ SO ₄ : H ₂ NaOH: Na
		H ₃ PO ₄ : HP
		NaHSO ₄ : NABIS
		Na ₂ S ₂ O ₃ : NaSO ₃
		Zn Acetate+NaOH: Zn
		NaOH+Ascorbic Acid: SAPC

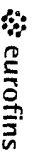
Hold
 24 HR TAT



Eurofins Carlsbad

1089 N Canal St.
 Carlsbad, NM 88220
 Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)

Client Contact: N/A
 Shipping/Receiving: N/A
 Company: Eurofins Environment Testing South Cent
 Address: 1211 W Florida Ave,
 City: Midland
 State Zip: TX, 79701
 Phone: 432-704-5440(Tel)
 Email: N/A
 Project Name: War horse federal com
 Site: N/A

Sampler: N/A
 Phone: N/A
 Lab Pk: Teel, Brianna
 E-Mail: Brianna.Teel@eurofins.com
 Accreditation Required (See role): NELAP - Texas

Carrier Tracking No(s): N/A
 State of Origin: New Mexico
 COC No: 890-6378-1
 Page: Page 1 of 1
 Job #: 890-9383-1
 Preservation Codes:

Due Date Requested: 1/23/2026
 TAT Requested (days): N/A
 Analysis Requested

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=soil, B=Issue A&B)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prepph 8015	8015MOD_Calc8015 Calc	300_ORGFm_28D/DI_LEACHChloride	8021B/5035FP_CalcBTEX	Total_BTEX_GCVTotal BTEX	Total Number of containers	Special Instructions/Note:
SW-5 (890-9383-1)	1/19/26	12:10	G	Solid	X	X	X	X	X	X	X	1	
SW-6 (890-9383-2)	1/19/26	12:15	G	Solid	X	X	X	X	X	X	X	1	
SW-7 (890-9383-3)	1/19/26	12:20	G	Solid	X	X	X	X	X	X	X	1	
SW-8 (890-9383-4)	1/19/26	12:25	G	Solid	X	X	X	X	X	X	X	1	
SW-9 (890-9383-5)	1/19/26	12:30	G	Solid	X	X	X	X	X	X	X	1	

Possible Hazard Identification
 Unconfirmed Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Empty Kit Requisitioned by: _____ Date/Time: _____ Company: _____
 Requisitioned by: _____ Date/Time: _____ Company: _____
 Requisitioned by: _____ Date/Time: _____ Company: _____
 Requisitioned by: _____ Date/Time: _____ Company: _____

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9383-1
SDG Number: Eddy County, NM

Login Number: 9383

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9383-1
SDG Number: Eddy County, NM

Login Number: 9383
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 01/20/26 08:57 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	

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



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

Generated 1/22/2026 2:48:53 PM

JOB DESCRIPTION

War Horse Federal Com
 Eddy County, NM

JOB NUMBER

890-9380-1



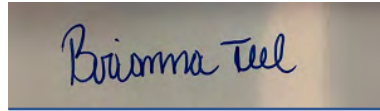
Eurofins Carlsbad

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
1/22/2026 2:48:53 PM

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

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

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Laboratory Job ID: 890-9380-1
SDG: Eddy County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	28
QC Sample Results	30
QC Association Summary	37
Lab Chronicle	43
Certification Summary	51
Method Summary	52
Sample Summary	53
Chain of Custody	54
Receipt Checklists	60

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: War Horse Federal Com

Job ID: 890-9380-1

Job ID: 890-9380-1

Eurofins Carlsbad

Job Narrative 890-9380-1

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 1/19/2026 3:44 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 -9.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-16 (890-9380-1), CS-17 (890-9380-2), CS-18 (890-9380-3), CS-19 (890-9380-4), CS-20 (890-9380-5), CS-21 (890-9380-6), CS-22 (890-9380-7), CS-23 (890-9380-8), CS-24 (890-9380-9), CS-25 (890-9380-10), CS-26 (890-9380-11), CS-27 (890-9380-12), CS-28 (890-9380-13), CS-29 (890-9380-14), CS-30 (890-9380-15), CS-31 (890-9380-16), CS-32 (890-9380-17), CS-33 (890-9380-18), CS-34 (890-9380-19), CS-35 (890-9380-20), CS-36 (890-9380-21), CS-37 (890-9380-22), CS-38 (890-9380-23), CS-39 (890-9380-24), CS-40 (890-9380-25) and CS-41 (890-9380-26).

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-129431 and 880-129451 and analytical batch 880-129385 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-129431 and analytical batch 880-129385 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-25 (890-9380-10). 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 8015B NM: Surrogate recovery for the following sample was outside control limits: CS-20 (890-9380-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: CS-23 (890-9380-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-129417/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-129417/2-A) and (LCSD 880-129417/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: (890-9380-A-11-B MS) and (890-9380-A-11-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: CS-26 (890-9380-11), CS-27 (890-9380-12), CS-29 (890-9380-14), CS-32 (890-9380-17), CS-36 (890-9380-21) and CS-39 (890-9380-24). Evidence of matrix interferences is not obvious.

Eurofins Carlsbad

Case Narrative

Client: Earth Systems Response and Restoration
Project: War Horse Federal Com

Job ID: 890-9380-1

Job ID: 890-9380-1 (Continued)

Eurofins Carlsbad

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: CS-35 (890-9380-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: CS-30 (890-9380-15). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-16

Lab Sample ID: 890-9380-1

Date Collected: 01/19/26 10:00

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 00:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 00:40	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		01/20/26 12:01	01/21/26 00:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/26 12:01	01/21/26 00:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 00:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/26 12:01	01/21/26 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	01/20/26 12:01	01/21/26 00:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/20/26 12:01	01/21/26 00:40	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			01/21/26 00:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/21/26 20:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 20:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	01/20/26 09:24	01/21/26 20:47	1
o-Terphenyl	124		70 - 130	01/20/26 09:24	01/21/26 20:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		9.96		mg/Kg			01/21/26 13:09	1

Client Sample ID: CS-17

Lab Sample ID: 890-9380-2

Date Collected: 01/19/26 10:05

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 01:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 01:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 01:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/26 12:01	01/21/26 01:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 01:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/26 12:01	01/21/26 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/20/26 12:01	01/21/26 01:00	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-17
 Date Collected: 01/19/26 10:05
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-2
 Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	01/20/26 12:01	01/21/26 01:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/21/26 01:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/21/26 21:02	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	<50.3	U	50.3		mg/Kg		01/20/26 09:24	01/21/26 21:02	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/20/26 09:24	01/21/26 21:02	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/20/26 09:24	01/21/26 21:02	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	113		70 - 130	01/20/26 09:24	01/21/26 21:02	1			
o-Terphenyl	121		70 - 130	01/20/26 09:24	01/21/26 21:02	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.4		9.92		mg/Kg			01/21/26 13:24	1

Client Sample ID: CS-18
 Date Collected: 01/19/26 10:10
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-3
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 01:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 01:20	1
Ethylbenzene	0.00206		0.00202		mg/Kg		01/20/26 12:01	01/21/26 01:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/26 12:01	01/21/26 01:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 01:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/26 12:01	01/21/26 01:20	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	106		70 - 130	01/20/26 12:01	01/21/26 01:20	1			
1,4-Difluorobenzene (Surr)	97		70 - 130	01/20/26 12:01	01/21/26 01:20	1			

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/21/26 01:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/21/26 21:17	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-18
 Date Collected: 01/19/26 10:10
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-3
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/26 09:24	01/21/26 21:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/26 09:24	01/21/26 21:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/26 09:24	01/21/26 21:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				01/20/26 09:24	01/21/26 21:17	1
o-Terphenyl	117		70 - 130				01/20/26 09:24	01/21/26 21:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		9.98		mg/Kg			01/21/26 13:29	1

Client Sample ID: CS-19
 Date Collected: 01/19/26 10:15
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-4
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 01:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 01:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 01:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/26 12:01	01/21/26 01:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 01:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/26 12:01	01/21/26 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/20/26 12:01	01/21/26 01:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/20/26 12:01	01/21/26 01:41	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			01/21/26 01:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	280		49.9		mg/Kg			01/21/26 21:32	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		01/20/26 09:24	01/21/26 21:32	1
Diesel Range Organics (Over C10-C28)	280		49.9		mg/Kg		01/20/26 09:24	01/21/26 21:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/26 09:24	01/21/26 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				01/20/26 09:24	01/21/26 21:32	1
o-Terphenyl	130		70 - 130				01/20/26 09:24	01/21/26 21:32	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-19

Lab Sample ID: 890-9380-4

Date Collected: 01/19/26 10:15
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	712		10.0		mg/Kg			01/21/26 13:44	1

Client Sample ID: CS-20

Lab Sample ID: 890-9380-5

Date Collected: 01/19/26 10:20
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 02:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 02:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 02:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/26 12:01	01/21/26 02:01	1
o-Xylene	0.00631		0.00200		mg/Kg		01/20/26 12:01	01/21/26 02:01	1
Xylenes, Total	0.00631		0.00400		mg/Kg		01/20/26 12:01	01/21/26 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/20/26 12:01	01/21/26 02:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/20/26 12:01	01/21/26 02:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00631		0.00400		mg/Kg			01/21/26 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	350		50.0		mg/Kg			01/21/26 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 21:46	1
Diesel Range Organics (Over C10-C28)	350		50.0		mg/Kg		01/20/26 09:24	01/21/26 21:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	01/20/26 09:24	01/21/26 21:46	1
o-Terphenyl	131	S1+	70 - 130	01/20/26 09:24	01/21/26 21:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		10.0		mg/Kg			01/21/26 13:49	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-21

Lab Sample ID: 890-9380-6

Date Collected: 01/19/26 10:25

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 02:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 02:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 02:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/20/26 12:01	01/21/26 02:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 02:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/20/26 12:01	01/21/26 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/20/26 12:01	01/21/26 02:22	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/20/26 12:01	01/21/26 02:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/21/26 02:22	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			01/21/26 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/26 09:24	01/21/26 22:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/26 09:24	01/21/26 22:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/26 09:24	01/21/26 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	01/20/26 09:24	01/21/26 22:01	1
o-Terphenyl	126		70 - 130	01/20/26 09:24	01/21/26 22:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		10.0		mg/Kg			01/21/26 13:54	1

Client Sample ID: CS-22

Lab Sample ID: 890-9380-7

Date Collected: 01/19/26 10:30

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 02:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 02:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 02:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/26 12:01	01/21/26 02:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 02:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/26 12:01	01/21/26 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	01/20/26 12:01	01/21/26 02:42	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-22
 Date Collected: 01/19/26 10:30
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-7
 Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	01/20/26 12:01	01/21/26 02:42	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			01/21/26 02:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/21/26 22:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 22:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 22:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	01/20/26 09:24	01/21/26 22:15	1
o-Terphenyl	121		70 - 130	01/20/26 09:24	01/21/26 22:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		50.3		mg/Kg			01/21/26 13:59	5

Client Sample ID: CS-23
 Date Collected: 01/19/26 10:35
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-8
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 03:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 03:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 03:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/20/26 12:01	01/21/26 03:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 03:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/20/26 12:01	01/21/26 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	01/20/26 12:01	01/21/26 03:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/20/26 12:01	01/21/26 03:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/21/26 03:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	409		49.8		mg/Kg			01/21/26 22:30	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-23

Lab Sample ID: 890-9380-8

Date Collected: 01/19/26 10:35

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/20/26 09:24	01/21/26 22:30	1
Diesel Range Organics (Over C10-C28)	355		49.8		mg/Kg		01/20/26 09:24	01/21/26 22:30	1
Oil Range Organics (Over C28-C36)	53.7		49.8		mg/Kg		01/20/26 09:24	01/21/26 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	246	S1+	70 - 130				01/20/26 09:24	01/21/26 22:30	1
o-Terphenyl	249	S1+	70 - 130				01/20/26 09:24	01/21/26 22:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2740		50.5		mg/Kg			01/21/26 14:04	5

Client Sample ID: CS-24

Lab Sample ID: 890-9380-9

Date Collected: 01/19/26 10:40

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 03:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 03:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 03:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/26 12:01	01/21/26 03:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 03:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/26 12:01	01/21/26 03:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				01/20/26 12:01	01/21/26 03:23	1
1,4-Difluorobenzene (Surr)	89		70 - 130				01/20/26 12:01	01/21/26 03:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/21/26 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	292		50.0		mg/Kg			01/21/26 22:45	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	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 22:45	1
Diesel Range Organics (Over C10-C28)	292		50.0		mg/Kg		01/20/26 09:24	01/21/26 22:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				01/20/26 09:24	01/21/26 22:45	1
o-Terphenyl	124		70 - 130				01/20/26 09:24	01/21/26 22:45	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-24

Lab Sample ID: 890-9380-9

Date Collected: 01/19/26 10:40

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		49.8		mg/Kg			01/21/26 14:08	5

Client Sample ID: CS-25

Lab Sample ID: 890-9380-10

Date Collected: 01/19/26 10:45

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 03:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 03:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 03:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/26 12:01	01/21/26 03:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 03:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/26 12:01	01/21/26 03:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				01/20/26 12:01	01/21/26 03:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/20/26 12:01	01/21/26 03:44	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			01/21/26 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/21/26 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	<50.1	U	50.1		mg/Kg		01/20/26 09:24	01/21/26 22:59	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/20/26 09:24	01/21/26 22:59	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/20/26 09:24	01/21/26 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				01/20/26 09:24	01/21/26 22:59	1
o-Terphenyl	127		70 - 130				01/20/26 09:24	01/21/26 22:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		10.0		mg/Kg			01/21/26 14:13	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-26

Lab Sample ID: 890-9380-11

Date Collected: 01/19/26 10:50

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 05:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 05:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 05:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/26 12:01	01/21/26 05:35	1
o-Xylene	0.00266		0.00201		mg/Kg		01/20/26 12:01	01/21/26 05:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/26 12:01	01/21/26 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				01/20/26 12:01	01/21/26 05:35	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/20/26 12:01	01/21/26 05:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/21/26 05:35	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			01/21/26 15:23	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	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 15:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 15:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				01/20/26 09:45	01/21/26 15:23	1
o-Terphenyl	139	S1+	70 - 130				01/20/26 09:45	01/21/26 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.4		9.96		mg/Kg			01/21/26 10:49	1

Client Sample ID: CS-27

Lab Sample ID: 890-9380-12

Date Collected: 01/19/26 10:55

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 05:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 05:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 05:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/20/26 12:01	01/21/26 05:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 05:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/20/26 12:01	01/21/26 05:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				01/20/26 12:01	01/21/26 05:55	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-27

Lab Sample ID: 890-9380-12

Date Collected: 01/19/26 10:55

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	01/20/26 12:01	01/21/26 05:55	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			01/21/26 05:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/21/26 16:04	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		01/20/26 09:45	01/21/26 16:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 16:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	01/20/26 09:45	01/21/26 16:04	1
o-Terphenyl	143	S1+	70 - 130	01/20/26 09:45	01/21/26 16:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		9.92		mg/Kg			01/21/26 11:03	1

Client Sample ID: CS-28

Lab Sample ID: 890-9380-13

Date Collected: 01/19/26 11:00

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 06:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 06:16	1
Ethylbenzene	0.00483		0.00199		mg/Kg		01/20/26 12:01	01/21/26 06:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/26 12:01	01/21/26 06:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 06:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/26 12:01	01/21/26 06:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	01/20/26 12:01	01/21/26 06:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130	01/20/26 12:01	01/21/26 06:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00483		0.00398		mg/Kg			01/21/26 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/21/26 16:18	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-28
Date Collected: 01/19/26 11:00
Date Received: 01/19/26 15:44
Sample Depth: 0.25

Lab Sample ID: 890-9380-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/20/26 09:45	01/21/26 16:18	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/20/26 09:45	01/21/26 16:18	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/20/26 09:45	01/21/26 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				01/20/26 09:45	01/21/26 16:18	1
o-Terphenyl	130		70 - 130				01/20/26 09:45	01/21/26 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		10.0		mg/Kg			01/21/26 11:10	1

Client Sample ID: CS-29
Date Collected: 01/19/26 11:05
Date Received: 01/19/26 15:44
Sample Depth: 0.25

Lab Sample ID: 890-9380-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 06:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 06:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 06:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/20/26 12:01	01/21/26 06:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 06:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/20/26 12:01	01/21/26 06:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				01/20/26 12:01	01/21/26 06:36	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/20/26 12:01	01/21/26 06:36	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			01/21/26 06:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/21/26 16:32	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	<50.5	U	50.5		mg/Kg		01/20/26 09:45	01/21/26 16:32	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/20/26 09:45	01/21/26 16:32	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/20/26 09:45	01/21/26 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				01/20/26 09:45	01/21/26 16:32	1
o-Terphenyl	132	S1+	70 - 130				01/20/26 09:45	01/21/26 16:32	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-29

Lab Sample ID: 890-9380-14

Date Collected: 01/19/26 11:05

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.1		mg/Kg			01/21/26 11:16	1

Client Sample ID: CS-30

Lab Sample ID: 890-9380-15

Date Collected: 01/19/26 11:10

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 06:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 06:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 06:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/26 12:01	01/21/26 06:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 06:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/26 12:01	01/21/26 06:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				01/20/26 12:01	01/21/26 06:57	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/20/26 12:01	01/21/26 06:57	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			01/21/26 06:57	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			01/21/26 16:45	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	<50.1	U	50.1		mg/Kg		01/20/26 09:45	01/21/26 16:45	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/20/26 09:45	01/21/26 16:45	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/20/26 09:45	01/21/26 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	191	S1+	70 - 130				01/20/26 09:45	01/21/26 16:45	1
o-Terphenyl	209	S1+	70 - 130				01/20/26 09:45	01/21/26 16:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.5		10.0		mg/Kg			01/21/26 11:23	1

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-31
 Date Collected: 01/19/26 11:15
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-16
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 07:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 07:17	1
Ethylbenzene	0.00231		0.00200		mg/Kg		01/20/26 12:01	01/21/26 07:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/26 12:01	01/21/26 07:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 07:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/26 12:01	01/21/26 07:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				01/20/26 12:01	01/21/26 07:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/20/26 12:01	01/21/26 07:17	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			01/21/26 07:17	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			01/21/26 17:00	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		01/20/26 09:45	01/21/26 17:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 17:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				01/20/26 09:45	01/21/26 17:00	1
o-Terphenyl	127		70 - 130				01/20/26 09:45	01/21/26 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.3		9.94		mg/Kg			01/21/26 11:45	1

Client Sample ID: CS-32
 Date Collected: 01/19/26 11:20
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-17
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 07:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 07:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 07:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/26 12:01	01/21/26 07:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/26 12:01	01/21/26 07:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/26 12:01	01/21/26 07:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				01/20/26 12:01	01/21/26 07:38	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-32
 Date Collected: 01/19/26 11:20
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-17
 Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	01/20/26 12:01	01/21/26 07:38	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			01/21/26 07:38	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			01/21/26 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 17:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 17:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 17:14	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	122		70 - 130	01/20/26 09:45	01/21/26 17:14	1			
o-Terphenyl	131	S1+	70 - 130	01/20/26 09:45	01/21/26 17:14	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.2		9.92		mg/Kg			01/21/26 11:52	1

Client Sample ID: CS-33
 Date Collected: 01/19/26 11:25
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-18
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 07:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 07:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 07:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/26 12:01	01/21/26 07:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/26 12:01	01/21/26 07:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/26 12:01	01/21/26 07:58	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	113		70 - 130	01/20/26 12:01	01/21/26 07:58	1			
1,4-Difluorobenzene (Surr)	102		70 - 130	01/20/26 12:01	01/21/26 07:58	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			01/21/26 07:58	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			01/21/26 17:28	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-33

Lab Sample ID: 890-9380-18

Date Collected: 01/19/26 11:25

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 17:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 17:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				01/20/26 09:45	01/21/26 17:28	1
o-Terphenyl	124		70 - 130				01/20/26 09:45	01/21/26 17:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	686		9.96		mg/Kg			01/21/26 11:58	1

Client Sample ID: CS-34

Lab Sample ID: 890-9380-19

Date Collected: 01/19/26 11:30

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 08:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 08:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 08:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/26 12:01	01/21/26 08:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/26 12:01	01/21/26 08:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/26 12:01	01/21/26 08:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				01/20/26 12:01	01/21/26 08:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130				01/20/26 12:01	01/21/26 08:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/21/26 08:19	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			01/21/26 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		01/20/26 09:45	01/21/26 17:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 17:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				01/20/26 09:45	01/21/26 17:42	1
o-Terphenyl	122		70 - 130				01/20/26 09:45	01/21/26 17:42	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-34

Lab Sample ID: 890-9380-19

Date Collected: 01/19/26 11:30

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1930		49.6		mg/Kg			01/21/26 12:05	5

Client Sample ID: CS-35

Lab Sample ID: 890-9380-20

Date Collected: 01/19/26 11:35

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 08:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 08:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 08:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/20/26 12:01	01/21/26 08:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/26 12:01	01/21/26 08:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/20/26 12:01	01/21/26 08:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				01/20/26 12:01	01/21/26 08:39	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/20/26 12:01	01/21/26 08:39	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			01/21/26 08:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	339		50.0		mg/Kg			01/21/26 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 17:57	1
Diesel Range Organics (Over C10-C28)	339		50.0		mg/Kg		01/20/26 09:45	01/21/26 17:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				01/20/26 09:45	01/21/26 17:57	1
o-Terphenyl	138	S1+	70 - 130				01/20/26 09:45	01/21/26 17:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610		50.3		mg/Kg			01/21/26 14:57	5

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-36

Lab Sample ID: 890-9380-21

Date Collected: 01/19/26 11:40

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 13:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 13:02	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		01/20/26 08:00	01/20/26 13:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/26 08:00	01/20/26 13:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 13:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/26 08:00	01/20/26 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	01/20/26 08:00	01/20/26 13:02	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/20/26 08:00	01/20/26 13:02	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			01/20/26 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/21/26 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 18:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 18:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	01/20/26 09:45	01/21/26 18:25	1
o-Terphenyl	143	S1+	70 - 130	01/20/26 09:45	01/21/26 18:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		10.1		mg/Kg			01/21/26 12:14	1

Client Sample ID: CS-37

Lab Sample ID: 890-9380-22

Date Collected: 01/19/26 11:45

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/20/26 08:00	01/20/26 13:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/26 08:00	01/20/26 13:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/26 08:00	01/20/26 13:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/26 08:00	01/20/26 13:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/26 08:00	01/20/26 13:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/26 08:00	01/20/26 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/20/26 08:00	01/20/26 13:23	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-37

Lab Sample ID: 890-9380-22

Date Collected: 01/19/26 11:45

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	01/20/26 08:00	01/20/26 13:23	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			01/20/26 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/21/26 18:39	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	<50.5	U	50.5		mg/Kg		01/20/26 09:45	01/21/26 18:39	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/20/26 09:45	01/21/26 18:39	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/20/26 09:45	01/21/26 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	01/20/26 09:45	01/21/26 18:39	1
o-Terphenyl	127		70 - 130	01/20/26 09:45	01/21/26 18:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.4		9.94		mg/Kg			01/21/26 12:37	1

Client Sample ID: CS-38

Lab Sample ID: 890-9380-23

Date Collected: 01/19/26 11:50

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/26 08:00	01/20/26 13:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/26 08:00	01/20/26 13:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/26 08:00	01/20/26 13:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/26 08:00	01/20/26 13:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/26 08:00	01/20/26 13:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/26 08:00	01/20/26 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	01/20/26 08:00	01/20/26 13:43	1
1,4-Difluorobenzene (Surr)	118		70 - 130	01/20/26 08:00	01/20/26 13:43	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			01/20/26 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/21/26 18:54	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-38
 Date Collected: 01/19/26 11:50
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-23
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/20/26 09:45	01/21/26 18:54	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/20/26 09:45	01/21/26 18:54	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/20/26 09:45	01/21/26 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				01/20/26 09:45	01/21/26 18:54	1
o-Terphenyl	127		70 - 130				01/20/26 09:45	01/21/26 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.3		9.98		mg/Kg			01/21/26 12:44	1

Client Sample ID: CS-39
 Date Collected: 01/19/26 11:55
 Date Received: 01/19/26 15:44
 Sample Depth: 0.25

Lab Sample ID: 890-9380-24
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/26 08:00	01/20/26 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				01/20/26 08:00	01/20/26 14:04	1
1,4-Difluorobenzene (Surr)	115		70 - 130				01/20/26 08:00	01/20/26 14:04	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			01/20/26 14:04	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			01/21/26 19:08	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	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 19:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 19:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				01/20/26 09:45	01/21/26 19:08	1
o-Terphenyl	137	S1+	70 - 130				01/20/26 09:45	01/21/26 19:08	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-39

Lab Sample ID: 890-9380-24

Date Collected: 01/19/26 11:55

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.4		9.96		mg/Kg			01/21/26 13:05	1

Client Sample ID: CS-40

Lab Sample ID: 890-9380-25

Date Collected: 01/19/26 12:00

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/20/26 08:00	01/20/26 14:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/26 08:00	01/20/26 14:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/26 08:00	01/20/26 14:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/20/26 08:00	01/20/26 14:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/26 08:00	01/20/26 14:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/20/26 08:00	01/20/26 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				01/20/26 08:00	01/20/26 14:24	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/20/26 08:00	01/20/26 14:24	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			01/20/26 14:24	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			01/21/26 19:23	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	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				01/20/26 09:45	01/21/26 19:23	1
o-Terphenyl	121		70 - 130				01/20/26 09:45	01/21/26 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	215		9.92		mg/Kg			01/21/26 13:12	1

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-41

Lab Sample ID: 890-9380-26

Date Collected: 01/19/26 12:05

Matrix: Solid

Date Received: 01/19/26 15:44

Sample Depth: 0.25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
o-Xylene	0.00455		0.00201		mg/Kg		01/20/26 08:00	01/20/26 14:45	1
Xylenes, Total	0.00455		0.00402		mg/Kg		01/20/26 08:00	01/20/26 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	01/20/26 08:00	01/20/26 14:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	01/20/26 08:00	01/20/26 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00455		0.00402		mg/Kg			01/20/26 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	184		49.9		mg/Kg			01/21/26 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 19:36	1
Diesel Range Organics (Over C10-C28)	184		49.9		mg/Kg		01/20/26 09:45	01/21/26 19:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/26 09:45	01/21/26 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	01/20/26 09:45	01/21/26 19:36	1
o-Terphenyl	129		70 - 130	01/20/26 09:45	01/21/26 19:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		10.0		mg/Kg			01/21/26 13:19	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9380-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9380-1	CS-16	83	87
890-9380-1 MS	CS-16	93	84
890-9380-1 MSD	CS-16	99	89
890-9380-2	CS-17	107	93
890-9380-3	CS-18	106	97
890-9380-4	CS-19	94	93
890-9380-5	CS-20	98	98
890-9380-6	CS-21	114	92
890-9380-7	CS-22	110	100
890-9380-8	CS-23	112	97
890-9380-9	CS-24	104	89
890-9380-10	CS-25	130	103
890-9380-11	CS-26	112	111
890-9380-12	CS-27	110	95
890-9380-13	CS-28	119	100
890-9380-14	CS-29	119	111
890-9380-15	CS-30	105	96
890-9380-16	CS-31	114	103
890-9380-17	CS-32	122	105
890-9380-18	CS-33	113	102
890-9380-19	CS-34	110	97
890-9380-20	CS-35	104	99
890-9380-21	CS-36	94	93
890-9380-21 MS	CS-36	105	89
890-9380-21 MSD	CS-36	111	95
890-9380-22	CS-37	111	100
890-9380-23	CS-38	124	118
890-9380-24	CS-39	120	115
890-9380-25	CS-40	113	98
890-9380-26	CS-41	116	102
LCS 880-129431/1-A	Lab Control Sample	88	91
LCS 880-129451/1-A	Lab Control Sample	107	83
LCSD 880-129431/2-A	Lab Control Sample Dup	96	96
LCSD 880-129451/2-A	Lab Control Sample Dup	99	83
MB 880-129431/5-A	Method Blank	167 S1+	99
MB 880-129451/5-A	Method Blank	169 S1+	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9380-1	CS-16	111	124
890-9380-2	CS-17	113	121
890-9380-3	CS-18	111	117

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy 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)
890-9380-4	CS-19	115	130
890-9380-5	CS-20	118	131 S1+
890-9380-6	CS-21	113	126
890-9380-7	CS-22	107	121
890-9380-8	CS-23	246 S1+	249 S1+
890-9380-9	CS-24	114	124
890-9380-10	CS-25	121	127
890-9380-11	CS-26	123	139 S1+
890-9380-11 MS	CS-26	130	131 S1+
890-9380-11 MSD	CS-26	130	133 S1+
890-9380-12	CS-27	130	143 S1+
890-9380-13	CS-28	120	130
890-9380-14	CS-29	120	132 S1+
890-9380-15	CS-30	191 S1+	209 S1+
890-9380-16	CS-31	115	127
890-9380-17	CS-32	122	131 S1+
890-9380-18	CS-33	110	124
890-9380-19	CS-34	108	122
890-9380-20	CS-35	123	138 S1+
890-9380-21	CS-36	129	143 S1+
890-9380-22	CS-37	116	127
890-9380-23	CS-38	115	127
890-9380-24	CS-39	129	137 S1+
890-9380-25	CS-40	112	121
890-9380-26	CS-41	117	129
LCS 880-129406/2-A	Lab Control Sample	113	122
LCS 880-129417/2-A	Lab Control Sample	137 S1+	130
LCSD 880-129406/3-A	Lab Control Sample Dup	119	129
LCSD 880-129417/3-A	Lab Control Sample Dup	135 S1+	129
MB 880-129406/1-A	Method Blank	109	115
MB 880-129417/1-A	Method Blank	126	131 S1+

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-129431/5-A
 Matrix: Solid
 Analysis Batch: 129385

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 12:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 12:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 12:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/26 08:00	01/20/26 12:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 08:00	01/20/26 12:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/26 08:00	01/20/26 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130	01/20/26 08:00	01/20/26 12:34	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/20/26 08:00	01/20/26 12:34	1

Lab Sample ID: LCS 880-129431/1-A
 Matrix: Solid
 Analysis Batch: 129385

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 129431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08773		mg/Kg		88	70 - 130
Toluene	0.100	0.08598		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08022		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1672		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08422		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-129431/2-A
 Matrix: Solid
 Analysis Batch: 129385

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 129431

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09108		mg/Kg		91	70 - 130	4	35
Toluene	0.100	0.09251		mg/Kg		93	70 - 130	7	35
Ethylbenzene	0.100	0.08766		mg/Kg		88	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2062		mg/Kg		103	70 - 130	21	35
o-Xylene	0.100	0.09959		mg/Kg		100	70 - 130	17	35

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

Lab Sample ID: 890-9380-21 MS
 Matrix: Solid
 Analysis Batch: 129385

Client Sample ID: CS-36
 Prep Type: Total/NA
 Prep Batch: 129431

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.07192		mg/Kg		72	70 - 130
Toluene	<0.00201	U	0.100	0.07086		mg/Kg		71	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

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

Lab Sample ID: 890-9380-21 MS

Client Sample ID: CS-36

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 129385

Prep Batch: 129431

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00201	U F1	0.100	0.06818	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1540		mg/Kg		77	70 - 130
o-Xylene	<0.00201	U	0.100	0.1008		mg/Kg		101	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-9380-21 MSD

Client Sample ID: CS-36

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 129385

Prep Batch: 129431

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00201	U	0.100	0.08197		mg/Kg		82	70 - 130	13	35
Toluene	<0.00201	U	0.100	0.08017		mg/Kg		80	70 - 130	12	35
Ethylbenzene	<0.00201	U F1	0.100	0.08283		mg/Kg		83	70 - 130	19	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1929		mg/Kg		96	70 - 130	22	35
o-Xylene	<0.00201	U	0.100	0.1035		mg/Kg		104	70 - 130	3	35

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

Lab Sample ID: MB 880-129451/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 129385

Prep Batch: 129451

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 00:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 00:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 00:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/26 12:01	01/21/26 00:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/26 12:01	01/21/26 00:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/26 12:01	01/21/26 00:11	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130	01/20/26 12:01	01/21/26 00:11	1
1,4-Difluorobenzene (Surr)	105		70 - 130	01/20/26 12:01	01/21/26 00:11	1

Lab Sample ID: LCS 880-129451/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 129385

Prep Batch: 129451

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Benzene	0.100	0.08038		mg/Kg		80	70 - 130
Toluene	0.100	0.08757		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09956		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1734		mg/Kg		87	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-129451/1-A
Matrix: Solid
Analysis Batch: 129385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08064		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-129451/2-A
Matrix: Solid
Analysis Batch: 129385

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 129451

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08471		mg/Kg		85	70 - 130	5	35
Toluene	0.100	0.09291		mg/Kg		93	70 - 130	6	35
Ethylbenzene	0.100	0.08887		mg/Kg		89	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1805		mg/Kg		90	70 - 130	4	35
o-Xylene	0.100	0.09067		mg/Kg		91	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 890-9380-1 MS
Matrix: Solid
Analysis Batch: 129385

Client Sample ID: CS-16
Prep Type: Total/NA
Prep Batch: 129451

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.07395		mg/Kg		74	70 - 130
Toluene	<0.00200	U	0.100	0.07903		mg/Kg		79	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.06897	F1	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1495		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U	0.100	0.07418		mg/Kg		74	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 890-9380-1 MSD
Matrix: Solid
Analysis Batch: 129385

Client Sample ID: CS-16
Prep Type: Total/NA
Prep Batch: 129451

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.08290		mg/Kg		83	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.08533		mg/Kg		85	70 - 130	8	35
Ethylbenzene	<0.00200	U F1	0.100	0.07172		mg/Kg		70	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1531		mg/Kg		77	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.07630		mg/Kg		76	70 - 130	3	35

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

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

Lab Sample ID: 890-9380-1 MSD
 Matrix: Solid
 Analysis Batch: 129385

Client Sample ID: CS-16
 Prep Type: Total/NA
 Prep Batch: 129451

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-129406/1-A
 Matrix: Solid
 Analysis Batch: 129512

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129406

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:24	01/21/26 16:48	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	109		70 - 130	01/20/26 09:24	01/21/26 16:48	1
o-Terphenyl	115		70 - 130	01/20/26 09:24	01/21/26 16:48	1

Lab Sample ID: LCS 880-129406/2-A
 Matrix: Solid
 Analysis Batch: 129512

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 129406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1081		mg/Kg		108	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	998.8		mg/Kg		100	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	113		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: LCSD 880-129406/3-A
 Matrix: Solid
 Analysis Batch: 129512

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 129406

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1191		mg/Kg		119	70 - 130	10	20	
Diesel Range Organics (Over C10-C28)	1000	1081		mg/Kg		108	70 - 130	8	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	119		70 - 130
o-Terphenyl	129		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-129417/1-A
Matrix: Solid
Analysis Batch: 129498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129417

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 14:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 14:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/26 09:45	01/21/26 14:33	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
1-Chlorooctane	126		70 - 130			01/20/26 09:45	01/21/26 14:33	1	
o-Terphenyl	131	S1+	70 - 130			01/20/26 09:45	01/21/26 14:33	1	

Lab Sample ID: LCS 880-129417/2-A
Matrix: Solid
Analysis Batch: 129498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
								Gasoline Range Organics (GRO)-C6-C10
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130	
Surrogate	LCS LCS		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	137	S1+	70 - 130					
o-Terphenyl	130		70 - 130					

Lab Sample ID: LCSD 880-129417/3-A
Matrix: Solid
Analysis Batch: 129498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 129417

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1041		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130	1	20
Surrogate	LCSD LCSD		Limits			Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
1-Chlorooctane	135	S1+	70 - 130						
o-Terphenyl	129		70 - 130						

Lab Sample ID: 890-9380-11 MS
Matrix: Solid
Analysis Batch: 129498

Client Sample ID: CS-26
Prep Type: Total/NA
Prep Batch: 129417

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.0	U	1010	918.6		mg/Kg		91	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

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

Lab Sample ID: 890-9380-11 MS
 Matrix: Solid
 Analysis Batch: 129498

Client Sample ID: CS-26
 Prep Type: Total/NA
 Prep Batch: 129417

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: 890-9380-11 MSD
 Matrix: Solid
 Analysis Batch: 129498

Client Sample ID: CS-26
 Prep Type: Total/NA
 Prep Batch: 129417

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1010	950.8		mg/Kg		95	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	1010	938.8		mg/Kg		93	70 - 130	2	20	

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-129480/1-A
 Matrix: Solid
 Analysis Batch: 129494

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			01/21/26 11:45	1

Lab Sample ID: LCS 880-129480/2-A
 Matrix: Solid
 Analysis Batch: 129494

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.4		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-129480/3-A
 Matrix: Solid
 Analysis Batch: 129494

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	250	239.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-9380-1 MS
 Matrix: Solid
 Analysis Batch: 129494

Client Sample ID: CS-16
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	119		249	374.4		mg/Kg		102	90 - 110

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-9380-1 MSD
Matrix: Solid
Analysis Batch: 129494

Client Sample ID: CS-16
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	119		249	375.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-129481/1-A
Matrix: Solid
Analysis Batch: 129507

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			01/21/26 10:19	1

Lab Sample ID: LCS 880-129481/2-A
Matrix: Solid
Analysis Batch: 129507

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-129481/3-A
Matrix: Solid
Analysis Batch: 129507

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.6		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-9380-11 MS
Matrix: Solid
Analysis Batch: 129507

Client Sample ID: CS-26
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	40.4		249	291.0		mg/Kg		101	90 - 110

Lab Sample ID: 890-9380-11 MSD
Matrix: Solid
Analysis Batch: 129507

Client Sample ID: CS-26
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	40.4		249	293.7		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-9380-21 MS
Matrix: Solid
Analysis Batch: 129507

Client Sample ID: CS-36
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	113		252	351.8		mg/Kg		95	90 - 110

Lab Sample ID: 890-9380-21 MSD
Matrix: Solid
Analysis Batch: 129507

Client Sample ID: CS-36
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	113		252	353.9		mg/Kg		96	90 - 110	1	20

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

GC VOA

Analysis Batch: 129385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-1	CS-16	Total/NA	Solid	8021B	129451
890-9380-2	CS-17	Total/NA	Solid	8021B	129451
890-9380-3	CS-18	Total/NA	Solid	8021B	129451
890-9380-4	CS-19	Total/NA	Solid	8021B	129451
890-9380-5	CS-20	Total/NA	Solid	8021B	129451
890-9380-6	CS-21	Total/NA	Solid	8021B	129451
890-9380-7	CS-22	Total/NA	Solid	8021B	129451
890-9380-8	CS-23	Total/NA	Solid	8021B	129451
890-9380-9	CS-24	Total/NA	Solid	8021B	129451
890-9380-10	CS-25	Total/NA	Solid	8021B	129451
890-9380-11	CS-26	Total/NA	Solid	8021B	129451
890-9380-12	CS-27	Total/NA	Solid	8021B	129451
890-9380-13	CS-28	Total/NA	Solid	8021B	129451
890-9380-14	CS-29	Total/NA	Solid	8021B	129451
890-9380-15	CS-30	Total/NA	Solid	8021B	129451
890-9380-16	CS-31	Total/NA	Solid	8021B	129451
890-9380-17	CS-32	Total/NA	Solid	8021B	129451
890-9380-18	CS-33	Total/NA	Solid	8021B	129451
890-9380-19	CS-34	Total/NA	Solid	8021B	129451
890-9380-20	CS-35	Total/NA	Solid	8021B	129451
890-9380-21	CS-36	Total/NA	Solid	8021B	129431
890-9380-22	CS-37	Total/NA	Solid	8021B	129431
890-9380-23	CS-38	Total/NA	Solid	8021B	129431
890-9380-24	CS-39	Total/NA	Solid	8021B	129431
890-9380-25	CS-40	Total/NA	Solid	8021B	129431
890-9380-26	CS-41	Total/NA	Solid	8021B	129431
MB 880-129431/5-A	Method Blank	Total/NA	Solid	8021B	129431
MB 880-129451/5-A	Method Blank	Total/NA	Solid	8021B	129451
LCS 880-129431/1-A	Lab Control Sample	Total/NA	Solid	8021B	129431
LCS 880-129451/1-A	Lab Control Sample	Total/NA	Solid	8021B	129451
LCSD 880-129431/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	129431
LCSD 880-129451/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	129451
890-9380-1 MS	CS-16	Total/NA	Solid	8021B	129451
890-9380-1 MSD	CS-16	Total/NA	Solid	8021B	129451
890-9380-21 MS	CS-36	Total/NA	Solid	8021B	129431
890-9380-21 MSD	CS-36	Total/NA	Solid	8021B	129431

Prep Batch: 129431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-21	CS-36	Total/NA	Solid	5035	
890-9380-22	CS-37	Total/NA	Solid	5035	
890-9380-23	CS-38	Total/NA	Solid	5035	
890-9380-24	CS-39	Total/NA	Solid	5035	
890-9380-25	CS-40	Total/NA	Solid	5035	
890-9380-26	CS-41	Total/NA	Solid	5035	
MB 880-129431/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-129431/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-129431/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9380-21 MS	CS-36	Total/NA	Solid	5035	
890-9380-21 MSD	CS-36	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

GC VOA

Prep Batch: 129451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-1	CS-16	Total/NA	Solid	5035	
890-9380-2	CS-17	Total/NA	Solid	5035	
890-9380-3	CS-18	Total/NA	Solid	5035	
890-9380-4	CS-19	Total/NA	Solid	5035	
890-9380-5	CS-20	Total/NA	Solid	5035	
890-9380-6	CS-21	Total/NA	Solid	5035	
890-9380-7	CS-22	Total/NA	Solid	5035	
890-9380-8	CS-23	Total/NA	Solid	5035	
890-9380-9	CS-24	Total/NA	Solid	5035	
890-9380-10	CS-25	Total/NA	Solid	5035	
890-9380-11	CS-26	Total/NA	Solid	5035	
890-9380-12	CS-27	Total/NA	Solid	5035	
890-9380-13	CS-28	Total/NA	Solid	5035	
890-9380-14	CS-29	Total/NA	Solid	5035	
890-9380-15	CS-30	Total/NA	Solid	5035	
890-9380-16	CS-31	Total/NA	Solid	5035	
890-9380-17	CS-32	Total/NA	Solid	5035	
890-9380-18	CS-33	Total/NA	Solid	5035	
890-9380-19	CS-34	Total/NA	Solid	5035	
890-9380-20	CS-35	Total/NA	Solid	5035	
MB 880-129451/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-129451/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-129451/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9380-1 MS	CS-16	Total/NA	Solid	5035	
890-9380-1 MSD	CS-16	Total/NA	Solid	5035	

Analysis Batch: 129577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-1	CS-16	Total/NA	Solid	Total BTEX	
890-9380-2	CS-17	Total/NA	Solid	Total BTEX	
890-9380-3	CS-18	Total/NA	Solid	Total BTEX	
890-9380-4	CS-19	Total/NA	Solid	Total BTEX	
890-9380-5	CS-20	Total/NA	Solid	Total BTEX	
890-9380-6	CS-21	Total/NA	Solid	Total BTEX	
890-9380-7	CS-22	Total/NA	Solid	Total BTEX	
890-9380-8	CS-23	Total/NA	Solid	Total BTEX	
890-9380-9	CS-24	Total/NA	Solid	Total BTEX	
890-9380-10	CS-25	Total/NA	Solid	Total BTEX	
890-9380-11	CS-26	Total/NA	Solid	Total BTEX	
890-9380-12	CS-27	Total/NA	Solid	Total BTEX	
890-9380-13	CS-28	Total/NA	Solid	Total BTEX	
890-9380-14	CS-29	Total/NA	Solid	Total BTEX	
890-9380-15	CS-30	Total/NA	Solid	Total BTEX	
890-9380-16	CS-31	Total/NA	Solid	Total BTEX	
890-9380-17	CS-32	Total/NA	Solid	Total BTEX	
890-9380-18	CS-33	Total/NA	Solid	Total BTEX	
890-9380-19	CS-34	Total/NA	Solid	Total BTEX	
890-9380-20	CS-35	Total/NA	Solid	Total BTEX	
890-9380-21	CS-36	Total/NA	Solid	Total BTEX	
890-9380-22	CS-37	Total/NA	Solid	Total BTEX	
890-9380-23	CS-38	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9380-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 129577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-24	CS-39	Total/NA	Solid	Total BTEX	
890-9380-25	CS-40	Total/NA	Solid	Total BTEX	
890-9380-26	CS-41	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 129406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-1	CS-16	Total/NA	Solid	8015NM Prep	
890-9380-2	CS-17	Total/NA	Solid	8015NM Prep	
890-9380-3	CS-18	Total/NA	Solid	8015NM Prep	
890-9380-4	CS-19	Total/NA	Solid	8015NM Prep	
890-9380-5	CS-20	Total/NA	Solid	8015NM Prep	
890-9380-6	CS-21	Total/NA	Solid	8015NM Prep	
890-9380-7	CS-22	Total/NA	Solid	8015NM Prep	
890-9380-8	CS-23	Total/NA	Solid	8015NM Prep	
890-9380-9	CS-24	Total/NA	Solid	8015NM Prep	
890-9380-10	CS-25	Total/NA	Solid	8015NM Prep	
MB 880-129406/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-129406/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-129406/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 129417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-11	CS-26	Total/NA	Solid	8015NM Prep	
890-9380-12	CS-27	Total/NA	Solid	8015NM Prep	
890-9380-13	CS-28	Total/NA	Solid	8015NM Prep	
890-9380-14	CS-29	Total/NA	Solid	8015NM Prep	
890-9380-15	CS-30	Total/NA	Solid	8015NM Prep	
890-9380-16	CS-31	Total/NA	Solid	8015NM Prep	
890-9380-17	CS-32	Total/NA	Solid	8015NM Prep	
890-9380-18	CS-33	Total/NA	Solid	8015NM Prep	
890-9380-19	CS-34	Total/NA	Solid	8015NM Prep	
890-9380-20	CS-35	Total/NA	Solid	8015NM Prep	
890-9380-21	CS-36	Total/NA	Solid	8015NM Prep	
890-9380-22	CS-37	Total/NA	Solid	8015NM Prep	
890-9380-23	CS-38	Total/NA	Solid	8015NM Prep	
890-9380-24	CS-39	Total/NA	Solid	8015NM Prep	
890-9380-25	CS-40	Total/NA	Solid	8015NM Prep	
890-9380-26	CS-41	Total/NA	Solid	8015NM Prep	
MB 880-129417/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-129417/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-129417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-9380-11 MS	CS-26	Total/NA	Solid	8015NM Prep	
890-9380-11 MSD	CS-26	Total/NA	Solid	8015NM Prep	

Analysis Batch: 129498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-11	CS-26	Total/NA	Solid	8015B NM	129417
890-9380-12	CS-27	Total/NA	Solid	8015B NM	129417
890-9380-13	CS-28	Total/NA	Solid	8015B NM	129417

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9380-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 129498 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-14	CS-29	Total/NA	Solid	8015B NM	129417
890-9380-15	CS-30	Total/NA	Solid	8015B NM	129417
890-9380-16	CS-31	Total/NA	Solid	8015B NM	129417
890-9380-17	CS-32	Total/NA	Solid	8015B NM	129417
890-9380-18	CS-33	Total/NA	Solid	8015B NM	129417
890-9380-19	CS-34	Total/NA	Solid	8015B NM	129417
890-9380-20	CS-35	Total/NA	Solid	8015B NM	129417
890-9380-21	CS-36	Total/NA	Solid	8015B NM	129417
890-9380-22	CS-37	Total/NA	Solid	8015B NM	129417
890-9380-23	CS-38	Total/NA	Solid	8015B NM	129417
890-9380-24	CS-39	Total/NA	Solid	8015B NM	129417
890-9380-25	CS-40	Total/NA	Solid	8015B NM	129417
890-9380-26	CS-41	Total/NA	Solid	8015B NM	129417
MB 880-129417/1-A	Method Blank	Total/NA	Solid	8015B NM	129417
LCS 880-129417/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	129417
LCSD 880-129417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	129417
890-9380-11 MS	CS-26	Total/NA	Solid	8015B NM	129417
890-9380-11 MSD	CS-26	Total/NA	Solid	8015B NM	129417

Analysis Batch: 129512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-1	CS-16	Total/NA	Solid	8015B NM	129406
890-9380-2	CS-17	Total/NA	Solid	8015B NM	129406
890-9380-3	CS-18	Total/NA	Solid	8015B NM	129406
890-9380-4	CS-19	Total/NA	Solid	8015B NM	129406
890-9380-5	CS-20	Total/NA	Solid	8015B NM	129406
890-9380-6	CS-21	Total/NA	Solid	8015B NM	129406
890-9380-7	CS-22	Total/NA	Solid	8015B NM	129406
890-9380-8	CS-23	Total/NA	Solid	8015B NM	129406
890-9380-9	CS-24	Total/NA	Solid	8015B NM	129406
890-9380-10	CS-25	Total/NA	Solid	8015B NM	129406
MB 880-129406/1-A	Method Blank	Total/NA	Solid	8015B NM	129406
LCS 880-129406/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	129406
LCSD 880-129406/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	129406

Analysis Batch: 129658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-1	CS-16	Total/NA	Solid	8015 NM	
890-9380-2	CS-17	Total/NA	Solid	8015 NM	
890-9380-3	CS-18	Total/NA	Solid	8015 NM	
890-9380-4	CS-19	Total/NA	Solid	8015 NM	
890-9380-5	CS-20	Total/NA	Solid	8015 NM	
890-9380-6	CS-21	Total/NA	Solid	8015 NM	
890-9380-7	CS-22	Total/NA	Solid	8015 NM	
890-9380-8	CS-23	Total/NA	Solid	8015 NM	
890-9380-9	CS-24	Total/NA	Solid	8015 NM	
890-9380-10	CS-25	Total/NA	Solid	8015 NM	
890-9380-11	CS-26	Total/NA	Solid	8015 NM	
890-9380-12	CS-27	Total/NA	Solid	8015 NM	
890-9380-13	CS-28	Total/NA	Solid	8015 NM	
890-9380-14	CS-29	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9380-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 129658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-15	CS-30	Total/NA	Solid	8015 NM	
890-9380-16	CS-31	Total/NA	Solid	8015 NM	
890-9380-17	CS-32	Total/NA	Solid	8015 NM	
890-9380-18	CS-33	Total/NA	Solid	8015 NM	
890-9380-19	CS-34	Total/NA	Solid	8015 NM	
890-9380-20	CS-35	Total/NA	Solid	8015 NM	
890-9380-21	CS-36	Total/NA	Solid	8015 NM	
890-9380-22	CS-37	Total/NA	Solid	8015 NM	
890-9380-23	CS-38	Total/NA	Solid	8015 NM	
890-9380-24	CS-39	Total/NA	Solid	8015 NM	
890-9380-25	CS-40	Total/NA	Solid	8015 NM	
890-9380-26	CS-41	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 129480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-1	CS-16	Soluble	Solid	DI Leach	
890-9380-2	CS-17	Soluble	Solid	DI Leach	
890-9380-3	CS-18	Soluble	Solid	DI Leach	
890-9380-4	CS-19	Soluble	Solid	DI Leach	
890-9380-5	CS-20	Soluble	Solid	DI Leach	
890-9380-6	CS-21	Soluble	Solid	DI Leach	
890-9380-7	CS-22	Soluble	Solid	DI Leach	
890-9380-8	CS-23	Soluble	Solid	DI Leach	
890-9380-9	CS-24	Soluble	Solid	DI Leach	
890-9380-10	CS-25	Soluble	Solid	DI Leach	
MB 880-129480/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-129480/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-129480/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9380-1 MS	CS-16	Soluble	Solid	DI Leach	
890-9380-1 MSD	CS-16	Soluble	Solid	DI Leach	

Leach Batch: 129481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-11	CS-26	Soluble	Solid	DI Leach	
890-9380-12	CS-27	Soluble	Solid	DI Leach	
890-9380-13	CS-28	Soluble	Solid	DI Leach	
890-9380-14	CS-29	Soluble	Solid	DI Leach	
890-9380-15	CS-30	Soluble	Solid	DI Leach	
890-9380-16	CS-31	Soluble	Solid	DI Leach	
890-9380-17	CS-32	Soluble	Solid	DI Leach	
890-9380-18	CS-33	Soluble	Solid	DI Leach	
890-9380-19	CS-34	Soluble	Solid	DI Leach	
890-9380-20	CS-35	Soluble	Solid	DI Leach	
890-9380-21	CS-36	Soluble	Solid	DI Leach	
890-9380-22	CS-37	Soluble	Solid	DI Leach	
890-9380-23	CS-38	Soluble	Solid	DI Leach	
890-9380-24	CS-39	Soluble	Solid	DI Leach	
890-9380-25	CS-40	Soluble	Solid	DI Leach	
890-9380-26	CS-41	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9380-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 129481 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-129481/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-129481/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-129481/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9380-11 MS	CS-26	Soluble	Solid	DI Leach	
890-9380-11 MSD	CS-26	Soluble	Solid	DI Leach	
890-9380-21 MS	CS-36	Soluble	Solid	DI Leach	
890-9380-21 MSD	CS-36	Soluble	Solid	DI Leach	

Analysis Batch: 129494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-1	CS-16	Soluble	Solid	300.0	129480
890-9380-2	CS-17	Soluble	Solid	300.0	129480
890-9380-3	CS-18	Soluble	Solid	300.0	129480
890-9380-4	CS-19	Soluble	Solid	300.0	129480
890-9380-5	CS-20	Soluble	Solid	300.0	129480
890-9380-6	CS-21	Soluble	Solid	300.0	129480
890-9380-7	CS-22	Soluble	Solid	300.0	129480
890-9380-8	CS-23	Soluble	Solid	300.0	129480
890-9380-9	CS-24	Soluble	Solid	300.0	129480
890-9380-10	CS-25	Soluble	Solid	300.0	129480
MB 880-129480/1-A	Method Blank	Soluble	Solid	300.0	129480
LCS 880-129480/2-A	Lab Control Sample	Soluble	Solid	300.0	129480
LCSD 880-129480/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	129480
890-9380-1 MS	CS-16	Soluble	Solid	300.0	129480
890-9380-1 MSD	CS-16	Soluble	Solid	300.0	129480

Analysis Batch: 129507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9380-11	CS-26	Soluble	Solid	300.0	129481
890-9380-12	CS-27	Soluble	Solid	300.0	129481
890-9380-13	CS-28	Soluble	Solid	300.0	129481
890-9380-14	CS-29	Soluble	Solid	300.0	129481
890-9380-15	CS-30	Soluble	Solid	300.0	129481
890-9380-16	CS-31	Soluble	Solid	300.0	129481
890-9380-17	CS-32	Soluble	Solid	300.0	129481
890-9380-18	CS-33	Soluble	Solid	300.0	129481
890-9380-19	CS-34	Soluble	Solid	300.0	129481
890-9380-20	CS-35	Soluble	Solid	300.0	129481
890-9380-21	CS-36	Soluble	Solid	300.0	129481
890-9380-22	CS-37	Soluble	Solid	300.0	129481
890-9380-23	CS-38	Soluble	Solid	300.0	129481
890-9380-24	CS-39	Soluble	Solid	300.0	129481
890-9380-25	CS-40	Soluble	Solid	300.0	129481
890-9380-26	CS-41	Soluble	Solid	300.0	129481
MB 880-129481/1-A	Method Blank	Soluble	Solid	300.0	129481
LCS 880-129481/2-A	Lab Control Sample	Soluble	Solid	300.0	129481
LCSD 880-129481/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	129481
890-9380-11 MS	CS-26	Soluble	Solid	300.0	129481
890-9380-11 MSD	CS-26	Soluble	Solid	300.0	129481
890-9380-21 MS	CS-36	Soluble	Solid	300.0	129481
890-9380-21 MSD	CS-36	Soluble	Solid	300.0	129481

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-16

Lab Sample ID: 890-9380-1

Date Collected: 01/19/26 10:00

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 00:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 00:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 20:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 20:47	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129494	01/21/26 13:09	CS	EET MID

Client Sample ID: CS-17

Lab Sample ID: 890-9380-2

Date Collected: 01/19/26 10:05

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 01:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 01:00	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 21:02	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 21:02	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129494	01/21/26 13:24	CS	EET MID

Client Sample ID: CS-18

Lab Sample ID: 890-9380-3

Date Collected: 01/19/26 10:10

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 01:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 01:20	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 21:17	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 21:17	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129494	01/21/26 13:29	CS	EET MID

Client Sample ID: CS-19

Lab Sample ID: 890-9380-4

Date Collected: 01/19/26 10:15

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 01:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 01:41	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-19

Lab Sample ID: 890-9380-4

Date Collected: 01/19/26 10:15

Matrix: Solid

Date Received: 01/19/26 15:44

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			129658	01/21/26 21:32	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 21:32	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129494	01/21/26 13:44	CS	EET MID

Client Sample ID: CS-20

Lab Sample ID: 890-9380-5

Date Collected: 01/19/26 10:20

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 02:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 02:01	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 21:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 21:46	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129494	01/21/26 13:49	CS	EET MID

Client Sample ID: CS-21

Lab Sample ID: 890-9380-6

Date Collected: 01/19/26 10:25

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 02:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 02:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 22:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 22:01	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129494	01/21/26 13:54	CS	EET MID

Client Sample ID: CS-22

Lab Sample ID: 890-9380-7

Date Collected: 01/19/26 10:30

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 02:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 22:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 22:15	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-22

Lab Sample ID: 890-9380-7

Date Collected: 01/19/26 10:30

Matrix: Solid

Date Received: 01/19/26 15:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	129494	01/21/26 13:59	CS	EET MID

Client Sample ID: CS-23

Lab Sample ID: 890-9380-8

Date Collected: 01/19/26 10:35

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 03:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 03:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 22:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 22:30	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	129494	01/21/26 14:04	CS	EET MID

Client Sample ID: CS-24

Lab Sample ID: 890-9380-9

Date Collected: 01/19/26 10:40

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 03:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 22:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 22:45	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	129494	01/21/26 14:08	CS	EET MID

Client Sample ID: CS-25

Lab Sample ID: 890-9380-10

Date Collected: 01/19/26 10:45

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 03:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 03:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 22:59	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	129406	01/20/26 09:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129512	01/21/26 22:59	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	129480	01/20/26 13:23	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129494	01/21/26 14:13	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-26

Lab Sample ID: 890-9380-11

Date Collected: 01/19/26 10:50

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 05:35	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 15:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 15:23	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 10:49	CS	EET MID

Client Sample ID: CS-27

Lab Sample ID: 890-9380-12

Date Collected: 01/19/26 10:55

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 05:55	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 16:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 16:04	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 11:03	CS	EET MID

Client Sample ID: CS-28

Lab Sample ID: 890-9380-13

Date Collected: 01/19/26 11:00

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 06:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 06:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 16:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 16:18	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 11:10	CS	EET MID

Client Sample ID: CS-29

Lab Sample ID: 890-9380-14

Date Collected: 01/19/26 11:05

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 06:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 06:36	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-29

Lab Sample ID: 890-9380-14

Date Collected: 01/19/26 11:05

Matrix: Solid

Date Received: 01/19/26 15:44

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			129658	01/21/26 16:32	SA	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 16:32	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 11:16	CS	EET MID

Client Sample ID: CS-30

Lab Sample ID: 890-9380-15

Date Collected: 01/19/26 11:10

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 06:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 06:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 16:45	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 16:45	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 11:23	CS	EET MID

Client Sample ID: CS-31

Lab Sample ID: 890-9380-16

Date Collected: 01/19/26 11:15

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 07:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 07:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 17:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 17:00	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 11:45	CS	EET MID

Client Sample ID: CS-32

Lab Sample ID: 890-9380-17

Date Collected: 01/19/26 11:20

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 07:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 07:38	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 17:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 17:14	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-32

Lab Sample ID: 890-9380-17

Date Collected: 01/19/26 11:20

Matrix: Solid

Date Received: 01/19/26 15:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 11:52	CS	EET MID

Client Sample ID: CS-33

Lab Sample ID: 890-9380-18

Date Collected: 01/19/26 11:25

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 07:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 07:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 17:28	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 17:28	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 11:58	CS	EET MID

Client Sample ID: CS-34

Lab Sample ID: 890-9380-19

Date Collected: 01/19/26 11:30

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 08:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 08:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 17:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 17:42	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	129507	01/21/26 12:05	CS	EET MID

Client Sample ID: CS-35

Lab Sample ID: 890-9380-20

Date Collected: 01/19/26 11:35

Matrix: Solid

Date Received: 01/19/26 15:44

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	129451	01/20/26 12:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/21/26 08:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/21/26 08:39	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 17:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 17:57	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	129507	01/21/26 14:57	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-36

Lab Sample ID: 890-9380-21

Date Collected: 01/19/26 11:40

Matrix: Solid

Date Received: 01/19/26 15:44

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	129431	01/20/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/20/26 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/20/26 13:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 18:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 18:25	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 12:14	CS	EET MID

Client Sample ID: CS-37

Lab Sample ID: 890-9380-22

Date Collected: 01/19/26 11:45

Matrix: Solid

Date Received: 01/19/26 15:44

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	129431	01/20/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/20/26 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/20/26 13:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 18:39	SA	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 18:39	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 12:37	CS	EET MID

Client Sample ID: CS-38

Lab Sample ID: 890-9380-23

Date Collected: 01/19/26 11:50

Matrix: Solid

Date Received: 01/19/26 15:44

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	129431	01/20/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/20/26 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/20/26 13:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 18:54	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 18:54	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 12:44	CS	EET MID

Client Sample ID: CS-39

Lab Sample ID: 890-9380-24

Date Collected: 01/19/26 11:55

Matrix: Solid

Date Received: 01/19/26 15:44

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	129431	01/20/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/20/26 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/20/26 14:04	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9380-1
 SDG: Eddy County, NM

Client Sample ID: CS-39

Lab Sample ID: 890-9380-24

Date Collected: 01/19/26 11:55

Matrix: Solid

Date Received: 01/19/26 15:44

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			129658	01/21/26 19:08	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 19:08	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 13:05	CS	EET MID

Client Sample ID: CS-40

Lab Sample ID: 890-9380-25

Date Collected: 01/19/26 12:00

Matrix: Solid

Date Received: 01/19/26 15:44

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	129431	01/20/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/20/26 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/20/26 14:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 19:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 19:23	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 13:12	CS	EET MID

Client Sample ID: CS-41

Lab Sample ID: 890-9380-26

Date Collected: 01/19/26 12:05

Matrix: Solid

Date Received: 01/19/26 15:44

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	129431	01/20/26 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129385	01/20/26 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129577	01/20/26 14:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			129658	01/21/26 19:36	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	129417	01/20/26 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129498	01/21/26 19:36	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	129481	01/20/26 13:25	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	129507	01/21/26 13:19	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9380-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date												
Texas	NELAP	T104704400	06-30-26												
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p> <table border="1"> <thead> <tr> <th>Analysis Method</th> <th>Prep Method</th> <th>Matrix</th> <th>Analyte</th> </tr> </thead> <tbody> <tr> <td>8015 NM</td> <td></td> <td>Solid</td> <td>Total TPH</td> </tr> <tr> <td>Total BTEX</td> <td></td> <td>Solid</td> <td>Total BTEX</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	8015 NM		Solid	Total TPH	Total BTEX		Solid	Total BTEX
Analysis Method	Prep Method	Matrix	Analyte												
8015 NM		Solid	Total TPH												
Total BTEX		Solid	Total BTEX												

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9380-1
SDG: Eddy County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9380-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9380-1	CS-16	Solid	01/19/26 10:00	01/19/26 15:44	0.25
890-9380-2	CS-17	Solid	01/19/26 10:05	01/19/26 15:44	0.25
890-9380-3	CS-18	Solid	01/19/26 10:10	01/19/26 15:44	0.25
890-9380-4	CS-19	Solid	01/19/26 10:15	01/19/26 15:44	0.25
890-9380-5	CS-20	Solid	01/19/26 10:20	01/19/26 15:44	0.25
890-9380-6	CS-21	Solid	01/19/26 10:25	01/19/26 15:44	0.25
890-9380-7	CS-22	Solid	01/19/26 10:30	01/19/26 15:44	0.25
890-9380-8	CS-23	Solid	01/19/26 10:35	01/19/26 15:44	0.25
890-9380-9	CS-24	Solid	01/19/26 10:40	01/19/26 15:44	0.25
890-9380-10	CS-25	Solid	01/19/26 10:45	01/19/26 15:44	0.25
890-9380-11	CS-26	Solid	01/19/26 10:50	01/19/26 15:44	0.25
890-9380-12	CS-27	Solid	01/19/26 10:55	01/19/26 15:44	0.25
890-9380-13	CS-28	Solid	01/19/26 11:00	01/19/26 15:44	0.25
890-9380-14	CS-29	Solid	01/19/26 11:05	01/19/26 15:44	0.25
890-9380-15	CS-30	Solid	01/19/26 11:10	01/19/26 15:44	0.25
890-9380-16	CS-31	Solid	01/19/26 11:15	01/19/26 15:44	0.25
890-9380-17	CS-32	Solid	01/19/26 11:20	01/19/26 15:44	0.25
890-9380-18	CS-33	Solid	01/19/26 11:25	01/19/26 15:44	0.25
890-9380-19	CS-34	Solid	01/19/26 11:30	01/19/26 15:44	0.25
890-9380-20	CS-35	Solid	01/19/26 11:35	01/19/26 15:44	0.25
890-9380-21	CS-36	Solid	01/19/26 11:40	01/19/26 15:44	0.25
890-9380-22	CS-37	Solid	01/19/26 11:45	01/19/26 15:44	0.25
890-9380-23	CS-38	Solid	01/19/26 11:50	01/19/26 15:44	0.25
890-9380-24	CS-39	Solid	01/19/26 11:55	01/19/26 15:44	0.25
890-9380-25	CS-40	Solid	01/19/26 12:00	01/19/26 15:44	0.25
890-9380-26	CS-41	Solid	01/19/26 12:05	01/19/26 15:44	0.25

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



Wor

890-9380 Chain of Custody

www.xenco.com Page 1 of 2

Chain of Custody

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

Environment Testing
Xenco



Work Order Comments
 Program: US/TPST PRP Brownfields RRC Superfund
 State of Project: Reporting: Level II Level III PST/UST TRRP Level IV
 Deliverables: EDD ADaPT Other:

Earth Systems R & R
 Bill to: (if different)
 Company Name:
 Address:
 City, State ZIP:
 Email: gmoreno@earthsys.net, sgiron@earthsys.net

ANALYSIS REQUEST

Project Name:	War Horse Federal Com	Pres. Code	
Project Number:	341	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Location:	Eddy County, NM	Due Date:	Standard TAT
Sampler's Name:	Santiago Giron & Michael Benini	TAT starts the day received by the lab, if received by 4:30pm	
CC/ WO #:			

SAMPLE RECEIPT

Samples Received Intact: Yes No Thermometer ID: *Truice*

Cooler Custody Seals: Yes No Correction Factor: *-0.2*

Sample Custody Seals: Yes No Temperature Reading: *-9.2*

Total Containers: Corrected Temperature: *-9.0*

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters
CS-16	S	1.19.26	10:00	0.25	Comp 1	X	Chloride-NM, BTEX-NM, 24 HR TAT
CS-17	S	1.19.26	10:05	0.25	Comp 1	X	
CS-18	S	1.19.26	10:10	0.25	Comp 1	X	
CS-19	S	1.19.26	10:15	0.25	Comp 1	X	
CS-20	S	1.19.26	10:20	0.25	Comp 1	X	
CS-21	S	1.19.26	10:25	0.25	Comp 1	X	
CS-22	S	1.19.26	10:30	0.25	Comp 1	X	
CS-23	S	1.19.26	10:35	0.25	Comp 1	X	
CS-24	S	1.19.26	10:40	0.25	Comp 1	X	
CS-25	S	1.19.26	10:45	0.25	Comp 1	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 Meta(l)s to be analyzed **TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471**

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Michael Benini</i>	<i>SGiron</i>	1-19-1544 ²
		4
		6

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)

Client Contact:
Shipping/Receiving:
Company: Eurofins Environment Testing South Cent

Sampler: N/A
Phone: N/A
Due Date Requested: 1/23/2026
TAT Requested (days): N/A

Lab P.M.: Teel, Brianna
E-Mail: Brianna.Teel@et.eurofinsus.com
Accreditations Required (See note): NELAP - Texas

Carrier Tracking No(s): N/A
State of Origin: New Mexico

COC No: 890-6376 1
Page: Page 1 of 3
Job #: 890-9380-1

Address: 1211 W Florida Ave,
City: Midland
State, Zip: TX, 79701

Phone: 432-704-5440(Tel)
Email: N/A
Project Name: Wear Horse Federal com
Site: N/A

PO #: N/A
WO #: N/A
Project #: 89000262
SSOW#: N/A

Analysis Requested

Preservation Codes:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of Containers	Special Instructions/Note
CS-16 (890-9380-1)	1/19/26	10:00	Mountain	Solid	X	X	8015MOD_NM/8015NM_S_PrepTPH 8015	X	
CS-17 (890-9380-2)	1/19/26	10:05	Mountain	Solid	X	X	8015MOD_Calc8015 Calc	X	
CS-18 (890-9380-3)	1/19/26	10:10	Mountain	Solid	X	X	300_ORGFM_28/DI_LEACHChloride	X	
CS-19 (890-9380-4)	1/19/26	10:15	Mountain	Solid	X	X	8021B/5035FP_CalcBTEX	X	
CS-20 (890-9380-5)	1/19/26	10:20	Mountain	Solid	X	X	Total_BTEX_GCVTotal BTEX	X	
CS-21 (890-9380-6)	1/19/26	10:25	Mountain	Solid	X	X		X	
CS-22 (890-9380-7)	1/19/26	10:30	Mountain	Solid	X	X		X	
CS-23 (890-9380-8)	1/19/26	10:35	Mountain	Solid	X	X		X	
CS-24 (890-9380-9)	1/19/26	10:40	Mountain	Solid	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/assess/analyze, 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

Relinquished by: [Signature] Date: 1-19-16 BC Company: [Blank]
Relinquished by: [Signature] Date: [Blank] Company: [Blank]

Relinquished by

Relinquished by: [Signature] Date: [Blank] Company: [Blank]
Custody Seals Intact: Δ Yes Δ No Custody Seal No
Cooler Temperature(s) °C and Other Remarks:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months
Special Instructions/QC Requirements:

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)

Client Contact: N/A
Shipping/Receiving: N/A
Company: Eurofins Environment Testing South Cent

Lab P#: Teel, Brianna
E-Mail: Brianna.Teel@eurofins.com

Accreditations Required (See note): NELAP - Texas

Carrier Tracking No(s): N/A
State of Origin: New Mexico

COC No: 890-9376/2
Page: Page 2 of 3
Job #: 890-9380-1

Preservation Codes:

Address: 1211 W Florida Ave,
City: Midland
State Zip: TX, 79701
Phone: 432-704-5440(Tel)
Email: N/A
Project Name: War Horse Federal com
Site: N/A
SSOW#: N/A

Due Date Requested: 1/23/2026
TAT Requested (days): N/A

Analysis Requested

Special Instructions/Note:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Organic, BI=Inorganic, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of Containers	Special Instructions/Note
CS-25 (890-9380-10)	1/19/26	10:45	G	Solid	X	X	8015MOD_MM/8015NM_S_PrepTPH 8015	X	
CS-26 (890-9380-11)	1/19/26	10:50	G	Solid	X	X	8015MOD_Calc8015 Calc	X	
CS-27 (890-9380-12)	1/19/26	10:55	G	Solid	X	X	300_ORGFM_28D/DI_LEACHChloride	X	
CS-28 (890-9380-13)	1/19/26	11:00	G	Solid	X	X	8021B/5035FP_CalcBTEX	X	
CS-29 (890-9380-14)	1/19/26	11:05	G	Solid	X	X	Total_BTEX_GCVTotal BTEX	X	
CS-30 (890-9380-15)	1/19/26	11:10	G	Solid	X	X		X	
CS-31 (890-9380-16)	1/19/26	11:15	G	Solid	X	X		X	
CS-32 (890-9380-17)	1/19/26	11:20	G	Solid	X	X		X	
CS-33 (890-9380-18)	1/19/26	11:25	G	Solid	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/shipment 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 Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested I, II, III, IV, Other (Specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Dispose By Lab Archive For _____ Months

Empty Kit Relinquished by	Date	Time	Method of Shipment
Relinquished by: <i>[Signature]</i>	Date: 1-19-26	Time: 16:30	Method of Shipment: 1:20:26 800
Relinquished by:	Date/Time:	Company:	Received by: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: Yes No

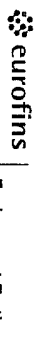
Custody Seal No

Cooler Temperature(s) °C and Other Remarks:

Eurofins Carlsbad

1089 N Canal St.
 Carlsbad, NM 88220
 Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)

Client Contact:
 Shipping/Receiving:
 Company: Eurofins Environment Testing South Cent

Lab PM: Teel, Brianna
 E-Mail: Brianna.Teel@et.eurofins.us.com

Carrier Tracking No(s):
 State of Origin: New Mexico

COC No: 890-6376.3
 Page: Page 3 of 3

Address: 1211 W. Florida Ave,
 City: Midland
 State, Zip: TX, 79701

Due Date Requested: 1/23/2026
 TAT Requested (days): N/A

Analysis Requested

Job #: 890-9380-1
 Preservation Codes:

Phone: 432-704-5440(Tel)
 Email: N/A
 Project Name: War Horse Federal com
 Project #: 89000262
 SOW#: N/A
 Site: N/A

<input type="checkbox"/>	Field Filtered Sample (Yes or No)
<input type="checkbox"/>	Perform MS/MSD (Yes or No)
<input checked="" type="checkbox"/>	8015MOD_NM/8015NM_S_PrepTPH 8015
<input checked="" type="checkbox"/>	8015MOD_Calc8015 Calc
<input checked="" type="checkbox"/>	300_ORGFM_28D/DI_LEACHChloride
<input checked="" type="checkbox"/>	8021B/5035FP_CalcBTEX
<input checked="" type="checkbox"/>	Total_BTEX_GCVTotal BTEX
<input checked="" type="checkbox"/>	Total Number of Containers

Other: 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= tissue, A=air)

Preservation Code

Special Instructions/Note:

Sample ID	Sample Date	Sample Time	Sample Type	Matrix	Preservation Code	Field Filtered Sample	Perform MS/MSD	8015MOD_NM/8015NM_S_PrepTPH 8015	8015MOD_Calc8015 Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_CalcBTEX	Total_BTEX_GCVTotal BTEX	Total Number of Containers	Special Instructions/Note
CS-34 (890-9380-19)	1/19/26	11 30	G	Mountain		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CS-35 (890-9380-20)	1/19/26	11 35	G	Mountain		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CS-36 (890-9380-21)	1/19/26	11 40	G	Mountain		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CS-37 (890-9380-22)	1/19/26	11 45	G	Mountain		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CS-38 (890-9380-23)	1/19/26	11 50	G	Mountain		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CS-39 (890-9380-24)	1/19/26	11 55	G	Mountain		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CS-40 (890-9380-25)	1/19/26	12 00	G	Mountain		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CS-41 (890-9380-26)	1/19/26	12 05	G	Mountain		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontracted 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/assay/analyte 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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 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

Date

Company

Time

Method of Shipment

Relinquished by: *[Signature]*

Date/Time: 1-19 1630

Date: 1-19 1630

Company

Time

Method of Shipment

Relinquished by:

Date/Time

Date

Company

Time

Method of Shipment

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: 890-9380-1
SDG Number: Eddy County, NM

Login Number: 9380

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9380-1
SDG Number: Eddy County, NM

Login Number: 9380
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 01/20/26 08:57 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	

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



January 7, 2026

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

RE: **War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report**
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°
Eddy County, New Mexico
ESRR Project No. 341

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Civitas Resources (Civitas), 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 War Horse Federal Com #3H Well Pad and Tank Battery (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Civitas is requesting No Further Action (NFA) at the Site.

Site Location & Incident Description

The Site is located in Unit I, Section 21, Township 18 South, Range 29 East, in Eddy County, New Mexico (32.731885°, -104.07158°) 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 April 24, 2025, a leak on a heater treater caused the release of approximately 11 barrels (bbl) of crude oil and 11 bbls of produced water onto a Civitas production pad surface. A vacuum truck was immediately dispatched to the Site and recovered 2 bbls of fluids. Civitas gave notice to the New Mexico Oil Conservation Division (NMOCD) on April 25, 2025, by Notification of Release (NOR). ESRR conducted initial site assessment activities and mapped the observed release footprint on April 28, 2025, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). A Corrective Action Form C-141 (Form C-141) was submitted on April 28, 2025 and accepted on April 29, 2025 by NMOCD and assigned Incident Number nAPP2511554072.

On July 22, 2025, ESRR on behalf of Civitas requested an extension of the July 23, 2025 deadline, to allow additional time for depth to water (DTW) drilling and time to review and coordinate remediation activities. Civitas was granted a 90-day extension by the NMOCD for October 20, 2025.

On October 17, 2025, ESRR on behalf of Civitas requested a final extension of the October 20, 2025 deadline, to allow additional time for remediation activities and for ESRR to complete this CRR. Civitas was granted a 90-day extension by the NMOCD for January 15, 2026.

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
 Incident Number: nAPP2511554072
 GPS: 32.731885°, -104.07158°



Site Characterization

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

- Between 1,000 feet and ½ a mile of any continuously flowing watercourse or any other significant watercourse;
- Between 1,000 feet and ½ a mile of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- Between 1 and 5 miles of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Between 1 and 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 1,000 feet and ½ a mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- Between 1,000 feet and ½ a mile of any unstable area (non-karst); and
- Between 1,000 feet and ½ a mile 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 and depth to water estimated to be greater than 55 feet below ground surface (bgs), 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 (GRO) + Diesel Range Organics (DRO)	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.

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

Delineation Activities

On May 1, 2025, ESRR conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Fifteen delineation boreholes (HA-1 through HA-15) were advanced via hand auger within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab[®] test strips. A minimum of one soil sample was collected from each delineation borehole, representing the highest observed field screening concentrations and/or the greatest depth. Delineation soil samples were placed directly into lab provided pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities are attached.

Laboratory analytical results for soil samples collected surrounding the AOC (HA-4 and HA-6 through HA-15) were compliant with Site Closure Criteria and/or the reclamation standard defining the horizontal periphery of the AOC.

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



Laboratory analytical results for samples collected within the AOC (HA-1 through HA-3, and HA-5) indicated either BTEX, TPH(GRO)+TPH(DRO), and Total TPH were above the Site Closure Criteria and/or the reclamation standard up to 2 feet bgs. Elevated BTEX is characterized by concentrations ranging from 348 to 646 mg/kg. Elevated TPH-GRO+TPH-DRO is characterized by concentrations ranging from 1,039 to 14,440 mg/kg. Elevated Total TPH is characterized by concentrations ranging from 12,100 to 14,400 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.

Remediation Activities

During September of 2025, a Civitas third-party contractor performed excavation activities of identified impacts via mechanical equipment and hand digging based on laboratory analytical results associated with delineation soil sampling activities, and visual observation. The excavation was vertically advanced to depths ranging from 0.5 to 2-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-15) and sidewalls (SW-1 through SW-4). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon resealable plastic bag, handled, transported, and analyzed as previously described.

Laboratory analytical results indicated that concentrations of COCs for all final confirmation soil samples were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all final confirmation soil samples are shown in **Figure 3**.

Approximately 180 cubic yards (CY) of impacted soil was removed from the Site and transported to Lea Land, LLC Landfill near Carlsbad, New Mexico under Civitas 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. Due to the active status of the well pad, the top 4 feet of the AOC is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. With depth to groundwater estimated to be greater than 55 feet bgs and no sensitive receptors within the established buffers in NMAC 19.15.29.12, Civitas believes residual chloride concentrations within the AOC exceeding the reclamation standard but below the Site Closure Criteria meets the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater.

Civitas will reassess the Site during plugging and abandonment activities and/or major facility deconstruction, whichever comes first, and address soil concentrations above the reclamation requirements of 100 mg/kg for TPH and 600 mg/kg for chloride (**Figure 4**). The final remediation will be confirmed via final confirmation sampling and is subject to change. As such, NFA appears warranted at

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



this time, and Civitas respectfully requests Closure of this CRR associated with Incident Number nAPP2511554072.

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

Sincerely,

EARTH SYSTEMS RESPONSE & RESTORATION

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

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

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

Kris Williams, CHMM, REM
Principal

cc: Mason Jones, Civitas Resources
Bureau of Land Management

Attachments:

- Figure 1 - Site Map
- Figure 1A - Groundwater
- Figure 1B - Karst Potential
- Figure 2 - Delineation Soil Sample Locations
- Figure 3 - Excavation Soil Sample Locations
- Figure 4 - Future Restoration Areas
- Referenced Well Records
- Photographic Documentation
- Table 1 - Soil Sample Analytical Results
- NMOCD Email Documentation & Correspondance
- Executed Chain-of-Custody Forms and Laboratory Analytical Reports

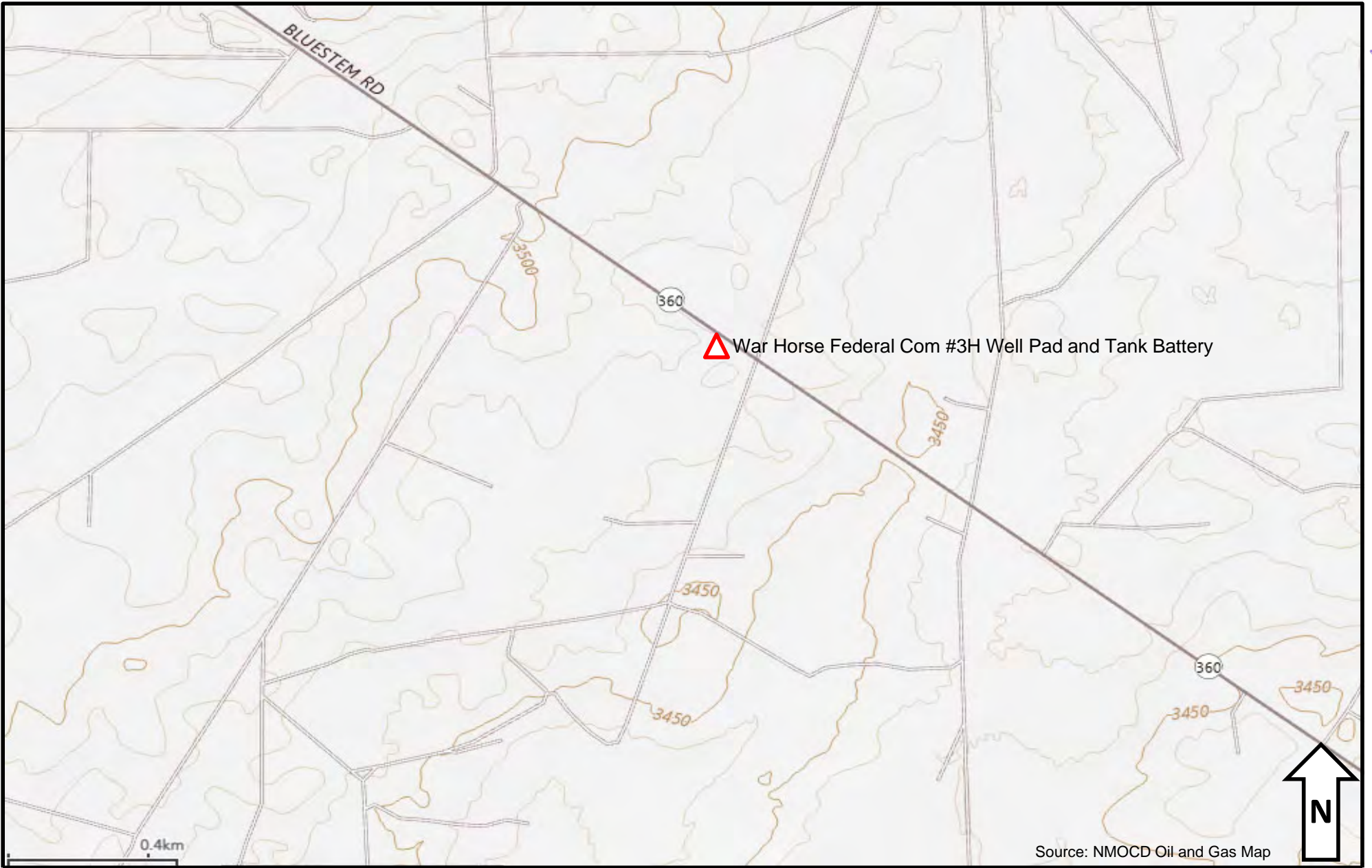


Figure 1 – Site Map

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
 GPS: 32.731885°, -104.07158°
 Eddy County, New Mexico



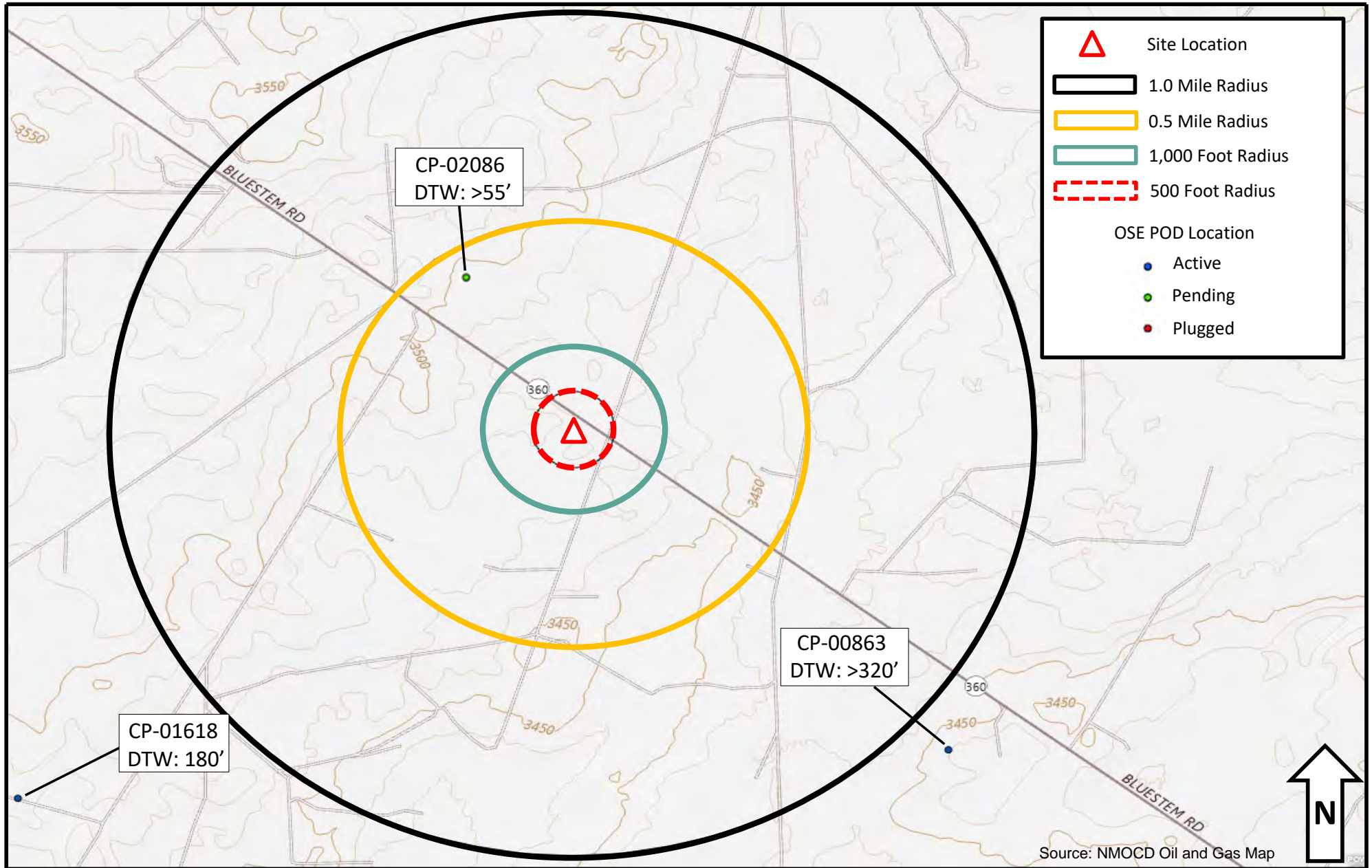


Figure 1A – Groundwater

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
 GPS: 32.731885°, -104.07158°
 Eddy County, New Mexico

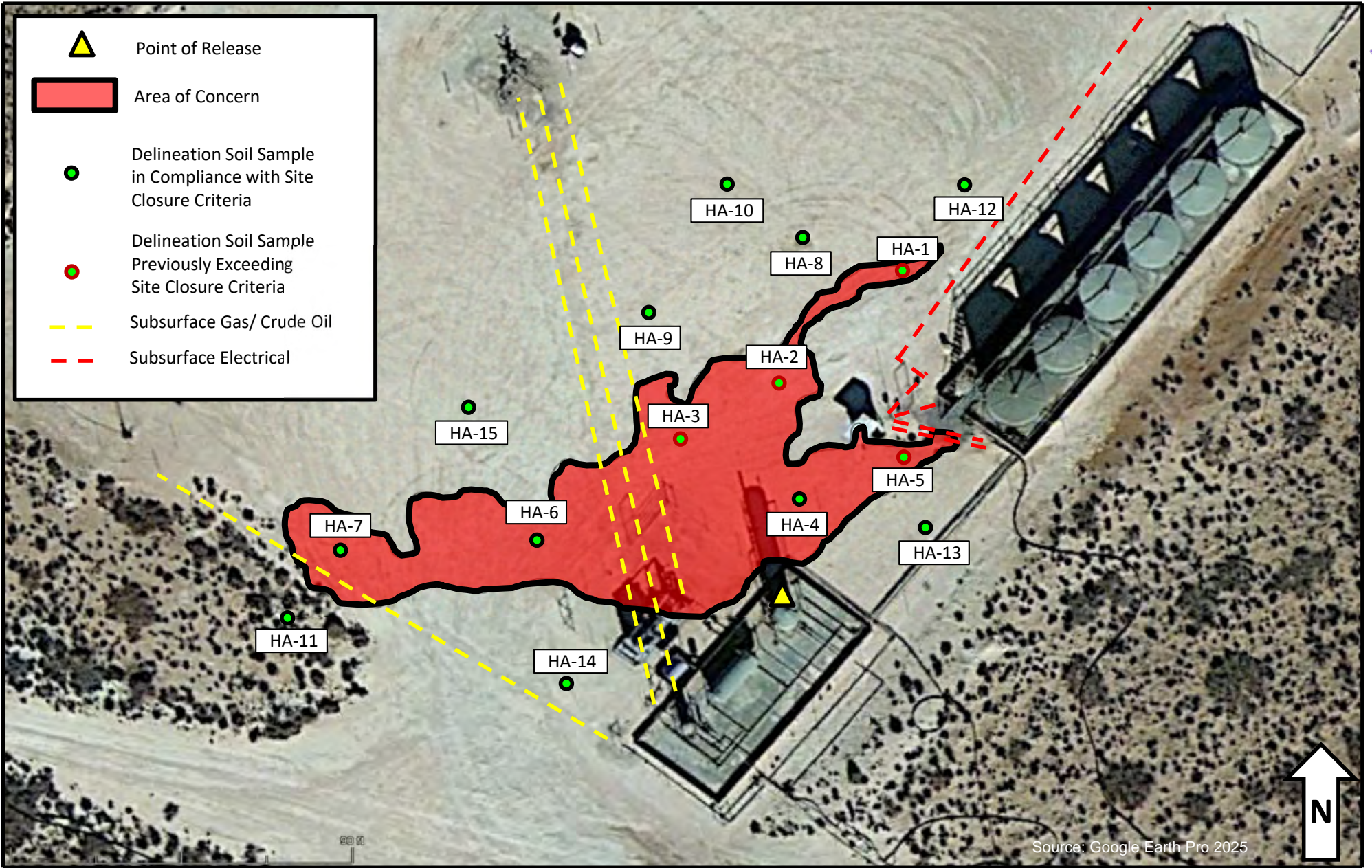




Figure 1B – Karst Potential

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
GPS: 32.731885°,-104.07158°
Eddy County, New Mexico





Source: Google Earth Pro 2025

Figure 2 – Delineation Soil Sample Locations

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
GPS: 32.731885°, -104.07158°
Eddy County, New Mexico



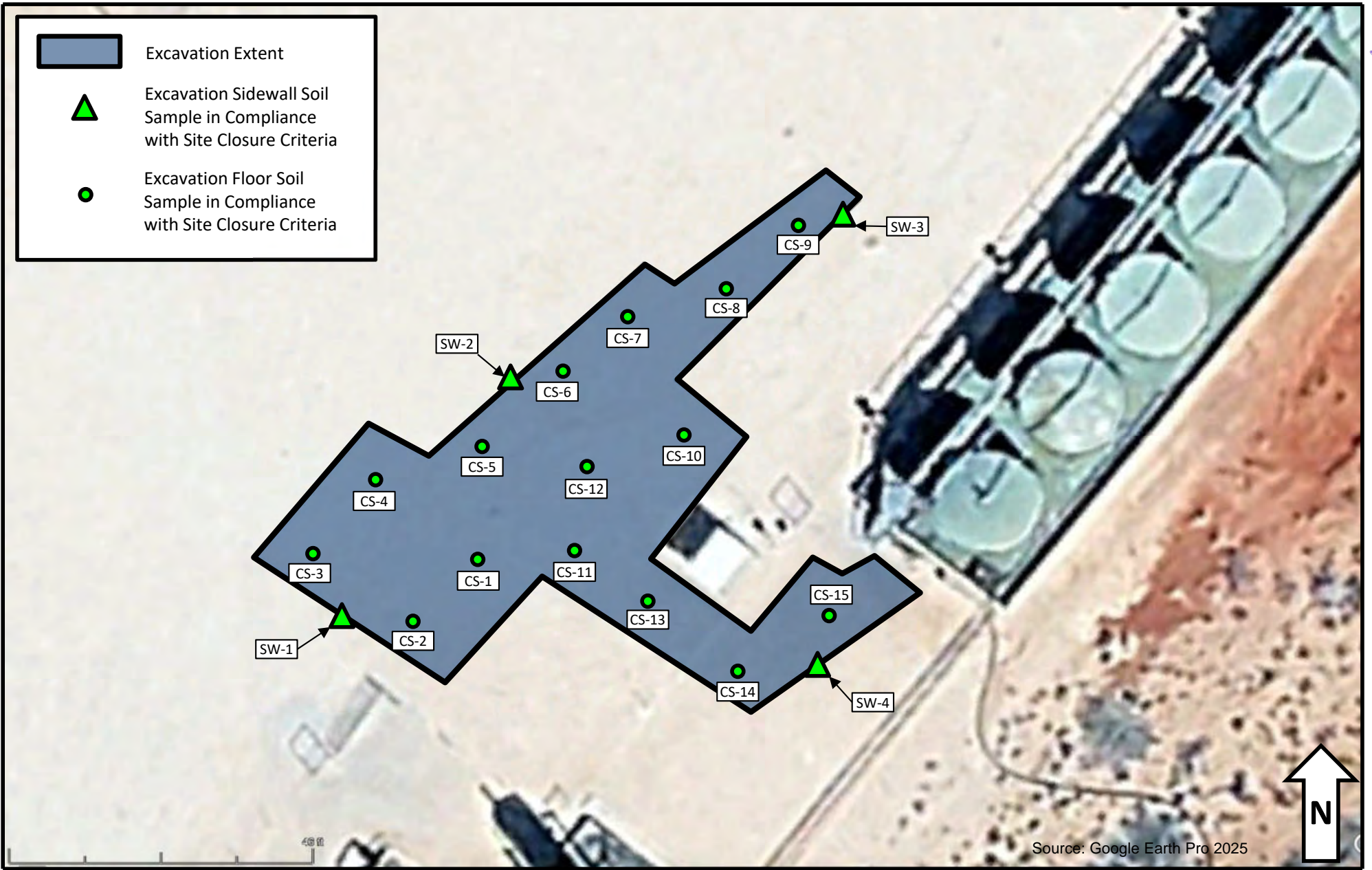


Figure 3 – Excavation Extents

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
GPS: 32.731885°, -104.07158°
Eddy County, New Mexico





Figure 4 – Future Restoration Areas

Civitas Resources – War Horse Federal Com #3H Well Pad and Tank Battery
 GPS: 32.731885°,-104.07158°
 Eddy 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		WELL TAG ID NO.		OSE FILE NO(S) CP-2086		
	WELL OWNER NAME(S) Civitas Permian Operating				PHONE (OPTIONAL) 512-635-0129		
	WELL OWNER MAILING ADDRESS 6301 Holiday Hill Rd. Unit #201				CITY Midland	STATE TX	ZIP 79707
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE	32	44	13.9 N		
	LONGITUDE	104	4.0	29.10 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NENE S-21 T-18S R-29E							

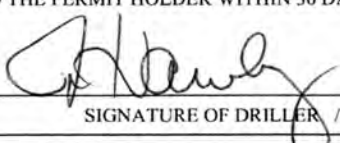
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 9/24/25	DRILLING ENDED 9/24/25	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry hole			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) NA	DATE STATIC MEASURED 9/29/25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				No Casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.		POD NO.	TRN NO.		
LOCATION			WELL TAG ID NO.	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	20	20	brown sandy caliche	Y <input checked="" type="checkbox"/> N	
	20	35	15	Fine red Sand and Caliche	Y <input checked="" type="checkbox"/> N	
	35	55	20	coarse grayish red clay	Y <input checked="" type="checkbox"/> N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: N/A					TOTAL ESTIMATED WELL YIELD (gpm):	

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: well was drilled and cased on 9/24/25, we encountered lost circulation at 55' is why bore was not advanced to 105', gauged on 9/29/25, well bore was dry, casing was removed and well was plugged pursuant to the approved plugging plan.	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley
		DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2086 Pod-1
Well owner: Civitas Permian Operating Phone No.: 512-635-0129
Mailing address: 6301 Holiday Hill Rd. Unit #201
City: Midland State: TX Zip code: 79707

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): James Hawley
- 4) Date well plugging began: 9/29/25 Date well plugging concluded: 9/29/25
- 5) GPS Well Location: Latitude: 32 deg, 44 min, 13.9 sec
Longitude: 104 deg, 4.0 min, 29.10 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 8/15/25
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

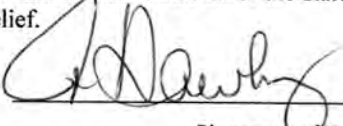
For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10	Baroid 3/8 bentonite chip plug	16.5	14.70	pour	
10-55	drill cuttings	66.15	66.15	pour	

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.



Signature of Well Driller

Date

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



PHOTO 1: Northeastern view during initial site assessment activities by ESRR. 4/28/2025

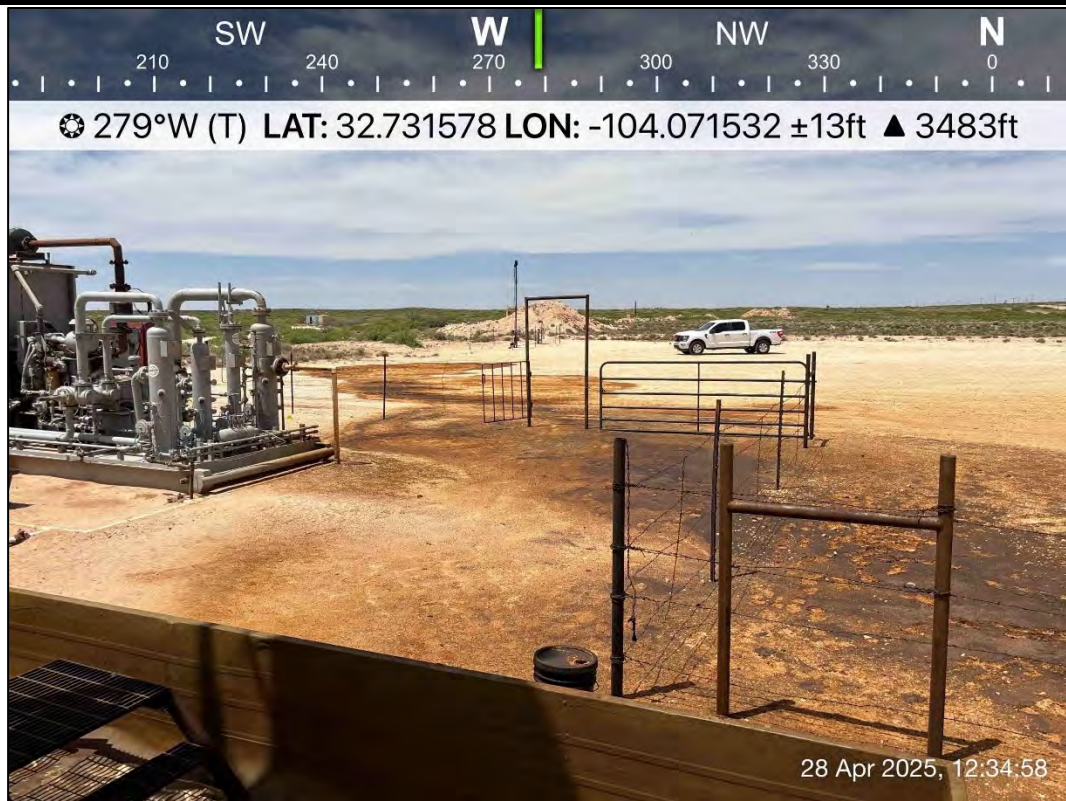


PHOTO 2: Western view during initial site assessment activities by ESRR. 4/28/2025

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



PHOTO 3: Southwestern view of borehole during delineation activities. 5/1/2025



PHOTO 4: Northeastern view of borehole during delineation activities. 5/1/2025

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



PHOTO 5: Northeastern view of borehole during delineation activities. 5/1/2025



PHOTO 6: Southeastern view of borehole during delineation activities. 5/1/2025

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



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



PHOTO 8: Northeastern view of borehole during delineation activities. 5/1/2025

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



PHOTO 9: Northeastern view during temporary DTW drilling activities. 9/24/2025



PHOTO 10: Southwestern view of excavation extent. 11/7/2025

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



PHOTO 11: Southwestern view of excavation extent. 11/7/2025



PHOTO 12: Northern view of excavation extent. 11/7/2025

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°

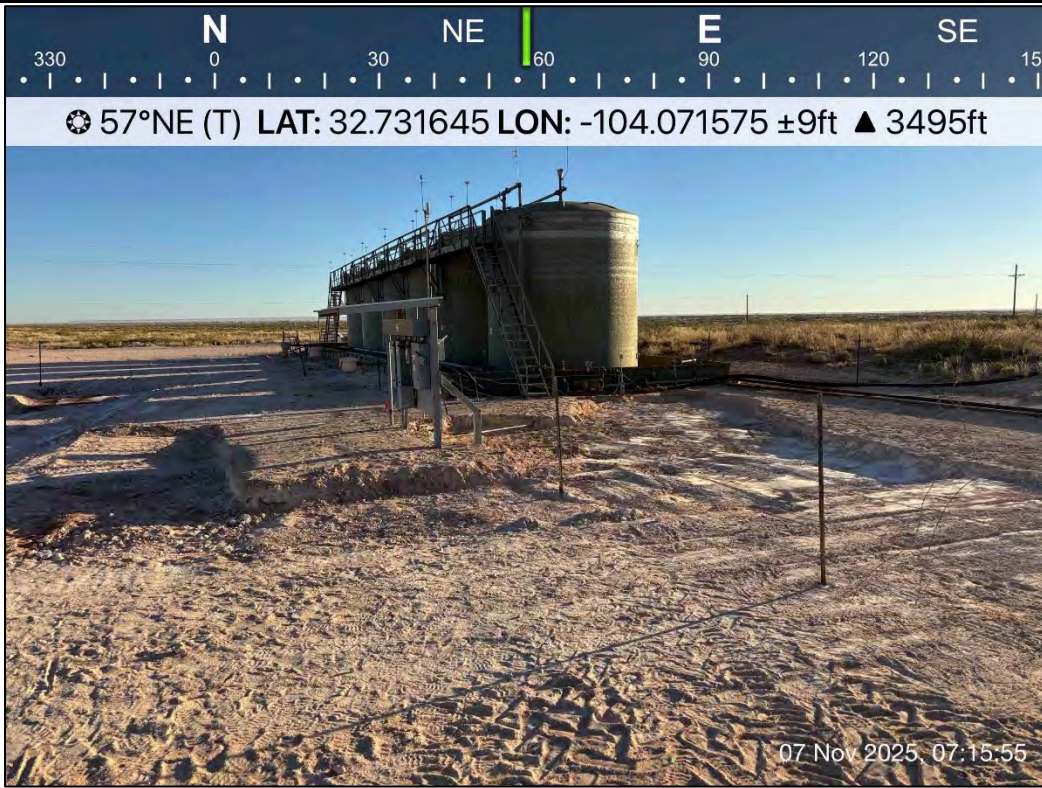


PHOTO 13: Northeastern view of excavation extent. 11/7/2025



PHOTO 14: Southwestern view following restoration activities. 11/17/2025

War Horse Federal Com #3H Well Pad and Tank Battery - Closure Request Report
Incident Number: nAPP2511554072
GPS: 32.731885°, -104.07158°



PHOTO 15: Northwestern view of location sign. 11/17/2025



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 War Horse Federal Com #3H Well Pad and Tank Battery
 Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - nAPP2511554072										
HA - 1	05/01/25	0.5	1.97	348	3,890	8,230	<502	12,120	12,100	100
HA - 1	05/01/25	1	0.00222	0.00787	<50.0	113	<50.0	113	113	90.9
HA - 2	05/01/25	0.5	0.00767	0.293	75.6	1,400	<49.9	1,476	1,480	2,910
HA - 2	05/01/25	1	<0.00199	0.048	<50.4	196	<50.4	196	196	1,960
HA - 2	05/01/25	2	<0.00198	0.0117	<50.2	<50.2	<50.2	<50.2	<50.2	523
HA - 2	05/01/25	4	<0.00202	<0.00404	<50.3	<50.3	<50.3	<50.3	<50.3	210
HA - 3	05/01/25	0.5	0.0226	2.42	278	2,070	<50.0	2,348	2,350	2,490
HA - 3	05/01/25	1	0.00809	0.377	57.7	981	<49.9	1,039	1,040	919
HA - 3	05/01/25	2	<0.00200	<0.00400	<50.0	139	<50.0	139	139	456
HA - 3	05/01/25	4R	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	181
HA - 4	05/01/25	0.5	0.00518	0.0676	<50.1	440	<50.1	440	440	2,880
HA - 4	05/01/25	1	<0.00201	0.07	<50.3	98	<50.3	97.9	97.9	614
HA - 4	05/01/25	2	<0.00199	0.00757	<50.0	<50.0	<50.0	<50.0	<50.0	279
HA - 4	05/01/25	4R	<0.00200	0.0114	<49.8	<49.8	<49.8	<49.8	<49.8	219
HA - 5	05/01/25	0.5	4.37	646	4,340	10,100	<498	14,440	14,400	150
HA - 5	05/01/25	1	<0.00199	0.136	<49.9	328	<49.9	328	328	123
HA - 5	05/01/25	2	<0.00198	0.09	<49.8	235	<49.8	235	235	136
HA - 5	05/01/25	4R	<0.00199	0.0256	<49.9	<49.9	<49.9	<49.9	<49.9	106
HA - 6	05/01/25	0.5	0.00586	0.0832	<50.0	121	<50.0	121	121	5,230
HA - 6	05/01/25	1R	<0.00200	0.017	<49.8	<49.8	<49.8	<49.8	<49.8	554
HA - 7	05/01/25	0.5	0.00494	0.0886	<49.9	379	<49.9	379	379	3,250
HA - 7	05/01/25	1R	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	649
HA - 8	05/01/25	0.5	0.0118	0.0838	<49.8	464	<49.8	464	464	1,080
HA - 8	05/01/25	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	412
HA - 9	05/01/25	0.5	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	132
HA - 9	05/01/25	1	<0.00202	<0.00404	<50.2	<50.2	<50.2	<50.2	<50.2	109
HA - 9	05/01/25	2R	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	95.3
HA - 10	05/01/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	112



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 War Horse Federal Com #3H Well Pad and Tank Battery
 Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - nAPP2511554072										
HA - 11	05/01/25	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	104
HA - 11	05/01/25	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	131
HA - 12	05/01/25	0.5	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	186
HA - 13	05/01/25	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	429
HA - 13	05/01/25	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	191
HA - 13	05/01/25	2	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	160
HA - 13	05/01/25	4R	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	135
HA - 14	05/01/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	269
HA - 14	05/01/25	1	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	245
HA - 15	05/01/25	0.5	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	193
Confirmation Soil Samples - nAPP2511554072										
SW - 1	11/07/25	0-2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	31.2
SW - 2	11/07/25	0-1	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	25.8
SW - 3	11/07/25	0-1	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	185
SW - 4	11/07/25	0-1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	70.4
CS - 1	11/07/25	2	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	176
CS - 2	11/07/25	2	<0.00201	<0.00402	<50.1	57.4	90.6	148	148	132
CS - 3	11/07/25	2	<0.00202	<0.00404	<49.7	<49.7	61.8	61.8	61.8	34.3
CS - 4	11/07/25	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	39.4
CS - 5	11/07/25	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	95.7
CS - 6	11/07/25	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	79.6
CS - 7	11/07/25	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	71.8
CS - 8	11/07/25	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	12.4
CS - 9	11/07/25	1	<0.00200	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	21.2
CS - 10	11/07/25	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	650



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 War Horse Federal Com #3H Well Pad and Tank Battery
 Eddy County, New Mexico



Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Soil Samples - nAPP2511554072										
CS - 11	11/07/25	1	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	146
CS - 12	11/07/25	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	1,190
CS - 13	11/07/25	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	314
CS - 14	11/07/25	1	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	276
CS - 15	11/07/25	1	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	170

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.
 R: refusal



(Extension Approval) - War Horse Federal Com #3H Well Pad and Tank Batter - (NAPP2511554072)

From Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Date Tue 7/22/2025 1:55 PM
To Gilbert Moreno <gmoreno@earthsys.net>
Cc mjones@civiresources.com <mjones@civiresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

RE: Incident #NAPP2511554072 WAR HORSE FEDERAL COM #3H WELL PAD AND TANK BATTER

Gilbert,

A 90-day extension is approved. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **October 20th, 2025**. Include this e-mail correspondence in the report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, July 22, 2025 11:36 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] War Horse Federal Com #3H Well Pad and Tank Batter - Extension Request - nAPP2509160854

From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Tuesday, July 22, 2025 11:25 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Mason Jones <mjones@civiresources.com>

Subject: Re: [EXTERNAL] War Horse Federal Com #3H Well Pad and Tank Batter - Extension Request - nAPP2509160854

Yes, my apologies. The correct incident number is nAPP2511554072.

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, July 22, 2025 11:21 AM
To: Gilbert Moreno <gmoreno@earthsys.net>
Cc: Mason Jones <mjones@civiresources.com>
Subject: RE: [EXTERNAL] War Horse Federal Com #3H Well Pad and Tank Batter - Extension Request - nAPP2509160854

Hi Gilbert,

Are you referring to this incident number instead? NAPP2511554072. The incident number listed in the subject line of your email is for the Mulva. Can you confirm the correct release for me please?

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: Tuesday, July 22, 2025 9:52 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mason Jones <mjones@civiresources.com>
Subject: [EXTERNAL] War Horse Federal Com #3H Well Pad and Tank Batter - Extension Request - nAPP2509160854

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 Civitas Resources (Civitas) is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the War Horse Federal Com #3H Well Pad and Tank Batter (Site).

A crude oil and produced water release was discovered on April 24, 2025, and was subsequently assigned Incident Number nAPP2509160854. ESRR assessed the release on April 28, 2025, and performed initial delineation activities May 1, 2025. Upon further review by Civitas, it was determined that a temporary depth to groundwater (DTW) well be drilled to further assist in determining the site characterization. DTW drilling has tentatively been re-scheduled for August 14, 2025, pending the NMOSE permit approval process. Unfortunately, surface rights legalities have caused delays on permitting.

Civitas requests an extension of the July 23, 2025, deadline for the release associated with Incident Number nAPP2509160854, to allow additional time for DTW drilling and additional time to review and coordinate remediation activities. Upon favorable remediation activities, 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





(Final Extension) - War Horse Federal Com - Extension Request - nAPP2511554072

From Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Date Fri 10/17/2025 3:12 PM

To Gilbert Moreno <gmoreno@earthsys.net>

Cc mjones@civiresources.com <mjones@civiresources.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>

Gilbert,

A 90-day extension is approved. This will be the **final extension** for this release. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **January 15th, 2026**. Include this e-mail correspondence in the report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Friday, October 17, 2025 2:57 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] War Horse Federal Com - Extension Request - nAPP2511554072

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Gilbert Moreno <gmoreno@earthsys.net>
Sent: Friday, October 17, 2025 2:49 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mason Jones <mjones@civiresources.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>
Subject: [EXTERNAL] War Horse Federal Com - Extension Request - nAPP2511554072

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

Hello,

Earth Systems R & R (ESRR) on behalf of Civitas Resources (Civitas) is requesting an additional extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the War Horse Federal Com (Site).

As previously mentioned, a temporary depth to groundwater well was installed on September 24, 2025, and has since been plugged. Civitas has reviewed the updated site characterization data and have determined a plan for remediation and assigned the project to a 3rd-party contractor. Remediation activities are anticipated to commence by the end of October 2025.

Civitas requests an extension of the October 20, 2025, deadline for the release associated with Incident Number nAPP2511554072, to allow additional time for remediation activities and for ESRR to complete a subsequent corrective action closure report upon favorable laboratory analytical results.

Regards,

Gilbert Moreno

Carlsbad Operations Manager- Project Geologist
O: (575) 323-9034 C: (832) 541-7719
gmoreno@earthsys.net
earthsys.net



This email may contain confidential and privileged material for the sole use of the intended recipient(s) for coordination of its work efforts with Earth Systems. Any review, use, distribution or disclosure by others is strictly prohibited. This data is subject to change at the discretion of Earth Systems. If you have received this communication in error, please notify the sender immediately by email and delete the message and any file attachments from your computer.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 523305

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 523305
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511554072
Incident Name	NAPP2511554072 WAR HORSE FEDERAL COM #3H WELL PAD AND TANK BATTER @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	War Horse Federal Com #3H Well Pad and Tank Batter
Date Release Discovered	04/24/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	3,200
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/07/2025
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno (832) 541-7719
Please provide any information necessary for navigation to sampling site	32.731885,-104.07158

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 523305

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 523305
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
mjones01	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	11/5/2025
mjones01	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	11/5/2025



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

Generated 5/7/2025 10:20:57 AM

JOB DESCRIPTION

War Horse Federal Com
 Eddy County, NM

JOB NUMBER

890-8073-1



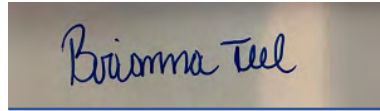
Eurofins Carlsbad

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
5/7/2025 10:20:57 AM

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

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

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Laboratory Job ID: 890-8073-1
SDG: Eddy County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	38
QC Sample Results	41
QC Association Summary	54
Lab Chronicle	64
Certification Summary	76
Method Summary	77
Sample Summary	78
Chain of Custody	79
Receipt Checklists	84

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-8073-1
SDG: Eddy County, NM

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: War Horse Federal Com

Job ID: 890-8073-1

Job ID: 890-8073-1

Eurofins Carlsbad

Job Narrative 890-8073-1

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 5/1/2025 1:40 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 1.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8073-1), HA - 1 (890-8073-2), HA - 2 (890-8073-3), HA - 2 (890-8073-4), HA - 2 (890-8073-5), HA - 2 (890-8073-6), HA - 3 (890-8073-7), HA - 3 (890-8073-8), HA - 3 (890-8073-9), HA - 3 (890-8073-10), HA - 4 (890-8073-11), HA - 4 (890-8073-12), HA - 4 (890-8073-13), HA - 4 (890-8073-14), HA - 5 (890-8073-15), HA - 5 (890-8073-16), HA - 5 (890-8073-17), HA - 5 (890-8073-18), HA - 6 (890-8073-19), HA - 6 (890-8073-20), HA - 7 (890-8073-21), HA - 7 (890-8073-22), HA - 8 (890-8073-23), HA - 8 (890-8073-24), HA - 9 (890-8073-25), HA - 9 (890-8073-26), HA - 9 (890-8073-27), HA - 10 (890-8073-28), HA - 11 (890-8073-29), HA - 11 (890-8073-30), HA - 12 (890-8073-31), HA - 13 (890-8073-32), HA - 13 (890-8073-33), HA - 13 (890-8073-34), HA - 13 (890-8073-35), HA - 14 (890-8073-36), HA - 14 (890-8073-37) and HA - 15 (890-8073-38).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8073-1), HA - 2 (890-8073-3), HA - 3 (890-8073-7), HA - 3 (890-8073-8) and HA - 5 (890-8073-15). 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 880-109339 and analytical batch 880-109260 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 sample was outside control limits: HA - 1 (890-8073-1). 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 - 5 (890-8073-15). 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 (890-8073-7). 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: HA - 1 (890-8073-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 2 (890-8073-3), HA - 2 (890-8073-4), HA - 2 (890-8073-5), HA - 2 (890-8073-6), HA - 3 (890-8073-7), HA - 3 (890-8073-8), HA - 3 (890-8073-9), HA - 3 (890-8073-10), HA - 4 (890-8073-11), HA - 4 (890-8073-12), (LCS 880-109215/2-A), (LCSD 880-109215/3-A), (880-57592-A-13-E), (880-57592-A-13-F MS) and (880-57592-A-13-G MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-109270/2-A) and

Eurofins Carlsbad

Case Narrative

Client: Earth Systems Response and Restoration
Project: War Horse Federal Com

Job ID: 890-8073-1

Job ID: 890-8073-1 (Continued)

Eurofins Carlsbad

(LCSD 880-109270/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: HA - 5 (890-8073-15), HA - 5 (890-8073-16), HA - 5 (890-8073-17), HA - 6 (890-8073-19), HA - 7 (890-8073-21) and HA - 8 (890-8073-23). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: HA - 4 (890-8073-13), HA - 4 (890-8073-14), HA - 5 (890-8073-18), HA - 6 (890-8073-20), HA - 7 (890-8073-22), HA - 8 (890-8073-24), HA - 9 (890-8073-25), HA - 9 (890-8073-26), HA - 9 (890-8073-27), HA - 10 (890-8073-28), HA - 11 (890-8073-29), HA - 11 (890-8073-30), HA - 12 (890-8073-31) and HA - 13 (890-8073-32). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-8073-A-13-B MS). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-109299 and analytical batch 880-109354 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: HA - 7 (890-8073-21), HA - 7 (890-8073-22), HA - 8 (890-8073-23), HA - 8 (890-8073-24), HA - 9 (890-8073-25), HA - 9 (890-8073-26), HA - 9 (890-8073-27), HA - 10 (890-8073-28), HA - 11 (890-8073-29), HA - 11 (890-8073-30), (890-8073-A-21-C MS) and (890-8073-A-21-D MSD).

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-109299 and analytical batch 880-109354 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8073-1

Date Collected: 05/01/25 07:00

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.97		0.0499		mg/Kg		05/01/25 16:22	05/02/25 15:29	25
Toluene	97.2		0.992		mg/Kg		05/02/25 17:00	05/05/25 14:47	500
Ethylbenzene	82.8		0.992		mg/Kg		05/02/25 17:00	05/05/25 14:47	500
m-Xylene & p-Xylene	91.7		1.98		mg/Kg		05/02/25 17:00	05/05/25 14:47	500
o-Xylene	73.9		0.992		mg/Kg		05/02/25 17:00	05/05/25 14:47	500
Xylenes, Total	166		1.98		mg/Kg		05/02/25 17:00	05/05/25 14:47	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	440	S1+	70 - 130	05/01/25 16:22	05/02/25 15:29	25
1,4-Difluorobenzene (Surr)	72		70 - 130	05/01/25 16:22	05/02/25 15:29	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	348		1.98		mg/Kg			05/05/25 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12100		502		mg/Kg			05/02/25 17:26	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	3890		502		mg/Kg		05/01/25 12:51	05/02/25 17:26	10
Diesel Range Organics (Over C10-C28)	8230		502		mg/Kg		05/01/25 12:51	05/02/25 17:26	10
Oil Range Organics (Over C28-C36)	<502	U	502		mg/Kg		05/01/25 12:51	05/02/25 17:26	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	309	S1+	70 - 130	05/01/25 12:51	05/02/25 17:26	10
o-Terphenyl	286	S1+	70 - 130	05/01/25 12:51	05/02/25 17:26	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.8		9.98		mg/Kg			05/02/25 17:52	1

Client Sample ID: HA - 1

Lab Sample ID: 890-8073-2

Date Collected: 05/01/25 07:05

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00222		0.00201		mg/Kg		05/01/25 16:22	05/02/25 12:25	1
Toluene	0.00565		0.00201		mg/Kg		05/01/25 16:22	05/02/25 12:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/01/25 16:22	05/02/25 12:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/01/25 16:22	05/02/25 12:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/01/25 16:22	05/02/25 12:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/01/25 16:22	05/02/25 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/01/25 16:22	05/02/25 12:25	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 1
 Date Collected: 05/01/25 07:05
 Date Received: 05/01/25 13:40
 Sample Depth: 1

Lab Sample ID: 890-8073-2
 Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	05/01/25 16:22	05/02/25 12:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00787		0.00402		mg/Kg			05/02/25 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	113		50.0		mg/Kg			05/02/25 17:40	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		05/01/25 12:51	05/02/25 17:40	1
Diesel Range Organics (Over C10-C28)	113		50.0		mg/Kg		05/01/25 12:51	05/02/25 17:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/01/25 12:51	05/02/25 17:40	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	176	S1+	70 - 130	05/01/25 12:51	05/02/25 17:40	1			
o-Terphenyl	160	S1+	70 - 130	05/01/25 12:51	05/02/25 17:40	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		9.92		mg/Kg			05/02/25 18:08	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8073-3
 Matrix: Solid

Date Collected: 05/01/25 07:10
 Date Received: 05/01/25 13:40
 Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00767		0.00202		mg/Kg		05/01/25 16:22	05/02/25 12:46	1
Toluene	0.0343		0.00202		mg/Kg		05/01/25 16:22	05/02/25 12:46	1
Ethylbenzene	0.0692		0.00202		mg/Kg		05/01/25 16:22	05/02/25 12:46	1
m-Xylene & p-Xylene	0.113		0.00404		mg/Kg		05/01/25 16:22	05/02/25 12:46	1
o-Xylene	0.0684		0.00202		mg/Kg		05/01/25 16:22	05/02/25 12:46	1
Xylenes, Total	0.181		0.00404		mg/Kg		05/01/25 16:22	05/02/25 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	05/01/25 16:22	05/02/25 12:46	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/01/25 16:22	05/02/25 12:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.293		0.00404		mg/Kg			05/02/25 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1480		49.9		mg/Kg			05/02/25 18:40	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 2
 Date Collected: 05/01/25 07:10
 Date Received: 05/01/25 13:40
 Sample Depth: 0.5

Lab Sample ID: 890-8073-3
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	75.6		49.9		mg/Kg		05/01/25 12:51	05/02/25 18:40	1
Diesel Range Organics (Over C10-C28)	1400		49.9		mg/Kg		05/01/25 12:51	05/02/25 18:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/01/25 12:51	05/02/25 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	200	S1+	70 - 130				05/01/25 12:51	05/02/25 18:40	1
o-Terphenyl	202	S1+	70 - 130				05/01/25 12:51	05/02/25 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2910		49.8		mg/Kg			05/02/25 18:14	5

Client Sample ID: HA - 2
 Date Collected: 05/01/25 07:15
 Date Received: 05/01/25 13:40
 Sample Depth: 1

Lab Sample ID: 890-8073-4
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/01/25 16:22	05/02/25 13:06	1
Toluene	0.0262		0.00199		mg/Kg		05/01/25 16:22	05/02/25 13:06	1
Ethylbenzene	0.00899		0.00199		mg/Kg		05/01/25 16:22	05/02/25 13:06	1
m-Xylene & p-Xylene	0.00906		0.00398		mg/Kg		05/01/25 16:22	05/02/25 13:06	1
o-Xylene	0.00373		0.00199		mg/Kg		05/01/25 16:22	05/02/25 13:06	1
Xylenes, Total	0.0128		0.00398		mg/Kg		05/01/25 16:22	05/02/25 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				05/01/25 16:22	05/02/25 13:06	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/01/25 16:22	05/02/25 13:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0480		0.00398		mg/Kg			05/02/25 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	196		50.4		mg/Kg			05/02/25 18:55	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	<50.4	U	50.4		mg/Kg		05/01/25 12:51	05/02/25 18:55	1
Diesel Range Organics (Over C10-C28)	196		50.4		mg/Kg		05/01/25 12:51	05/02/25 18:55	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		05/01/25 12:51	05/02/25 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130				05/01/25 12:51	05/02/25 18:55	1
o-Terphenyl	162	S1+	70 - 130				05/01/25 12:51	05/02/25 18:55	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8073-4

Date Collected: 05/01/25 07:15

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1960		50.1		mg/Kg			05/02/25 18:31	5

Client Sample ID: HA - 2

Lab Sample ID: 890-8073-5

Date Collected: 05/01/25 07:20

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/01/25 16:22	05/02/25 13:26	1
Toluene	0.00736		0.00198		mg/Kg		05/01/25 16:22	05/02/25 13:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/01/25 16:22	05/02/25 13:26	1
m-Xylene & p-Xylene	0.00432		0.00397		mg/Kg		05/01/25 16:22	05/02/25 13:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/01/25 16:22	05/02/25 13:26	1
Xylenes, Total	0.00432		0.00397		mg/Kg		05/01/25 16:22	05/02/25 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/01/25 16:22	05/02/25 13:26	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/01/25 16:22	05/02/25 13:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0117		0.00397		mg/Kg			05/02/25 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/02/25 19:10	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	<50.2	U	50.2		mg/Kg		05/01/25 12:51	05/02/25 19:10	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/01/25 12:51	05/02/25 19:10	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/01/25 12:51	05/02/25 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	173	S1+	70 - 130				05/01/25 12:51	05/02/25 19:10	1
o-Terphenyl	157	S1+	70 - 130				05/01/25 12:51	05/02/25 19:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	523		10.0		mg/Kg			05/02/25 18:37	1

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8073-6

Date Collected: 05/01/25 07:25

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/01/25 16:22	05/02/25 13:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/01/25 16:22	05/02/25 13:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/01/25 16:22	05/02/25 13:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/01/25 16:22	05/02/25 13:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/01/25 16:22	05/02/25 13:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/01/25 16:22	05/02/25 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				05/01/25 16:22	05/02/25 13:47	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/01/25 16:22	05/02/25 13:47	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			05/02/25 13:47	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			05/02/25 19:25	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	<50.3	U	50.3		mg/Kg		05/01/25 12:51	05/02/25 19:25	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/01/25 12:51	05/02/25 19:25	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/01/25 12:51	05/02/25 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130				05/01/25 12:51	05/02/25 19:25	1
o-Terphenyl	153	S1+	70 - 130				05/01/25 12:51	05/02/25 19:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		10.1		mg/Kg			05/02/25 18:42	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-7

Date Collected: 05/01/25 07:30

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0226		0.00201		mg/Kg		05/01/25 16:22	05/02/25 14:07	1
Toluene	0.297		0.00201		mg/Kg		05/01/25 16:22	05/02/25 14:07	1
Ethylbenzene	1.03		0.0497		mg/Kg		05/05/25 14:44	05/06/25 14:28	25
m-Xylene & p-Xylene	0.696		0.00402		mg/Kg		05/01/25 16:22	05/02/25 14:07	1
o-Xylene	0.371		0.00201		mg/Kg		05/01/25 16:22	05/02/25 14:07	1
Xylenes, Total	1.07		0.00402		mg/Kg		05/01/25 16:22	05/02/25 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	334	S1+	70 - 130				05/01/25 16:22	05/02/25 14:07	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-7

Date Collected: 05/01/25 07:30

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	05/01/25 16:22	05/02/25 14:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.42		0.0497		mg/Kg			05/06/25 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2350		50.0		mg/Kg			05/02/25 19:39	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	278		50.0		mg/Kg		05/01/25 12:51	05/02/25 19:39	1
Diesel Range Organics (Over C10-C28)	2070		50.0		mg/Kg		05/01/25 12:51	05/02/25 19:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/01/25 12:51	05/02/25 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	195	S1+	70 - 130	05/01/25 12:51	05/02/25 19:39	1
o-Terphenyl	193	S1+	70 - 130	05/01/25 12:51	05/02/25 19:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2490		49.7		mg/Kg			05/02/25 18:48	5

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-8

Date Collected: 05/01/25 07:35

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00809		0.00199		mg/Kg		05/01/25 16:22	05/02/25 14:28	1
Toluene	0.126		0.00199		mg/Kg		05/01/25 16:22	05/02/25 14:28	1
Ethylbenzene	0.0827		0.00199		mg/Kg		05/01/25 16:22	05/02/25 14:28	1
m-Xylene & p-Xylene	0.109		0.00398		mg/Kg		05/01/25 16:22	05/02/25 14:28	1
o-Xylene	0.0516		0.00199		mg/Kg		05/01/25 16:22	05/02/25 14:28	1
Xylenes, Total	0.161		0.00398		mg/Kg		05/01/25 16:22	05/02/25 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	05/01/25 16:22	05/02/25 14:28	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/01/25 16:22	05/02/25 14:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.377		0.00398		mg/Kg			05/02/25 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1040		49.9		mg/Kg			05/02/25 19:54	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-8

Date Collected: 05/01/25 07:35

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	57.7		49.9		mg/Kg		05/01/25 12:51	05/02/25 19:54	1
Diesel Range Organics (Over C10-C28)	981		49.9		mg/Kg		05/01/25 12:51	05/02/25 19:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/01/25 12:51	05/02/25 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	178	S1+	70 - 130	05/01/25 12:51	05/02/25 19:54	1
o-Terphenyl	173	S1+	70 - 130	05/01/25 12:51	05/02/25 19:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	919		9.92		mg/Kg			05/02/25 18:54	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-9

Date Collected: 05/01/25 07:40

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/01/25 16:22	05/02/25 14:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 14:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 14:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/01/25 16:22	05/02/25 14:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 14:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/01/25 16:22	05/02/25 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	05/01/25 16:22	05/02/25 14:48	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/01/25 16:22	05/02/25 14:48	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			05/02/25 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	139		50.0		mg/Kg			05/02/25 20:09	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	<50.0	U	50.0		mg/Kg		05/01/25 12:51	05/02/25 20:09	1
Diesel Range Organics (Over C10-C28)	139		50.0		mg/Kg		05/01/25 12:51	05/02/25 20:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/01/25 12:51	05/02/25 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130	05/01/25 12:51	05/02/25 20:09	1
o-Terphenyl	159	S1+	70 - 130	05/01/25 12:51	05/02/25 20:09	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 3
 Date Collected: 05/01/25 07:40
 Date Received: 05/01/25 13:40
 Sample Depth: 2

Lab Sample ID: 890-8073-9
 Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	456		9.90		mg/Kg			05/02/25 18:59	1

Client Sample ID: HA - 3
 Date Collected: 05/01/25 07:45
 Date Received: 05/01/25 13:40
 Sample Depth: 4R

Lab Sample ID: 890-8073-10
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 15:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 15:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 15:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/01/25 16:22	05/02/25 15:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 15:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/01/25 16:22	05/02/25 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/01/25 16:22	05/02/25 15:08	1
1,4-Difluorobenzene (Surr)	93		70 - 130				05/01/25 16:22	05/02/25 15:08	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			05/02/25 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/02/25 20:24	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	<50.1	U	50.1		mg/Kg		05/01/25 12:51	05/02/25 20:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/01/25 12:51	05/02/25 20:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/01/25 12:51	05/02/25 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	170	S1+	70 - 130				05/01/25 12:51	05/02/25 20:24	1
o-Terphenyl	153	S1+	70 - 130				05/01/25 12:51	05/02/25 20:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		10.1		mg/Kg			05/02/25 19:05	1

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-11

Date Collected: 05/01/25 07:50

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00518		0.00202		mg/Kg		05/01/25 16:22	05/02/25 17:03	1
Toluene	0.0409		0.00202		mg/Kg		05/01/25 16:22	05/02/25 17:03	1
Ethylbenzene	0.00826		0.00202		mg/Kg		05/01/25 16:22	05/02/25 17:03	1
m-Xylene & p-Xylene	0.00864		0.00404		mg/Kg		05/01/25 16:22	05/02/25 17:03	1
o-Xylene	0.00458		0.00202		mg/Kg		05/01/25 16:22	05/02/25 17:03	1
Xylenes, Total	0.0132		0.00404		mg/Kg		05/01/25 16:22	05/02/25 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/01/25 16:22	05/02/25 17:03	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/01/25 16:22	05/02/25 17:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0676		0.00404		mg/Kg			05/02/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	440		50.1		mg/Kg			05/02/25 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/01/25 12:51	05/02/25 20:38	1
Diesel Range Organics (Over C10-C28)	440		50.1		mg/Kg		05/01/25 12:51	05/02/25 20:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/01/25 12:51	05/02/25 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	173	S1+	70 - 130	05/01/25 12:51	05/02/25 20:38	1
o-Terphenyl	163	S1+	70 - 130	05/01/25 12:51	05/02/25 20:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2880	F1	50.2		mg/Kg			05/02/25 23:45	5

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-12

Date Collected: 05/01/25 07:55

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/01/25 16:22	05/02/25 17:24	1
Toluene	0.0378		0.00201		mg/Kg		05/01/25 16:22	05/02/25 17:24	1
Ethylbenzene	0.0126		0.00201		mg/Kg		05/01/25 16:22	05/02/25 17:24	1
m-Xylene & p-Xylene	0.0118		0.00402		mg/Kg		05/01/25 16:22	05/02/25 17:24	1
o-Xylene	0.00441		0.00201		mg/Kg		05/01/25 16:22	05/02/25 17:24	1
Xylenes, Total	0.0162		0.00402		mg/Kg		05/01/25 16:22	05/02/25 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/01/25 16:22	05/02/25 17:24	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-12

Date Collected: 05/01/25 07:55

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	05/01/25 16:22	05/02/25 17:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0666		0.00402		mg/Kg			05/02/25 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	97.9		50.3		mg/Kg			05/02/25 20:54	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		05/01/25 12:51	05/02/25 20:54	1
Diesel Range Organics (Over C10-C28)	97.9		50.3		mg/Kg		05/01/25 12:51	05/02/25 20:54	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/01/25 12:51	05/02/25 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	175	S1+	70 - 130	05/01/25 12:51	05/02/25 20:54	1
o-Terphenyl	161	S1+	70 - 130	05/01/25 12:51	05/02/25 20:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	614		10.1		mg/Kg			05/03/25 00:06	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-13

Date Collected: 05/01/25 08:00

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/01/25 16:22	05/02/25 17:44	1
Toluene	0.00757		0.00199		mg/Kg		05/01/25 16:22	05/02/25 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/01/25 16:22	05/02/25 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/01/25 16:22	05/02/25 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/01/25 16:22	05/02/25 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/01/25 16:22	05/02/25 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/01/25 16:22	05/02/25 17:44	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/01/25 16:22	05/02/25 17:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00757		0.00398		mg/Kg			05/02/25 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/05/25 22:20	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 4
Date Collected: 05/01/25 08:00
Date Received: 05/01/25 13:40
Sample Depth: 2

Lab Sample ID: 890-8073-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/05/25 22:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/05/25 22:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/05/25 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				05/02/25 09:07	05/05/25 22:20	1
o-Terphenyl	127		70 - 130				05/02/25 09:07	05/05/25 22:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	279		9.96		mg/Kg			05/03/25 00:13	1

Client Sample ID: HA - 4
Date Collected: 05/01/25 08:05
Date Received: 05/01/25 13:40
Sample Depth: 4R

Lab Sample ID: 890-8073-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 18:05	1
Toluene	0.00870		0.00200		mg/Kg		05/01/25 16:22	05/02/25 18:05	1
Ethylbenzene	0.00273		0.00200		mg/Kg		05/01/25 16:22	05/02/25 18:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/01/25 16:22	05/02/25 18:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 18:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/01/25 16:22	05/02/25 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				05/01/25 16:22	05/02/25 18:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/01/25 16:22	05/02/25 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0114		0.00400		mg/Kg			05/02/25 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	<49.8	U	49.8		mg/Kg			05/05/25 23:08	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		05/02/25 09:07	05/05/25 23:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/05/25 23:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/05/25 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				05/02/25 09:07	05/05/25 23:08	1
o-Terphenyl	129		70 - 130				05/02/25 09:07	05/05/25 23:08	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-14

Date Collected: 05/01/25 08:05

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 4R

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		9.94		mg/Kg			05/03/25 00:20	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-15

Date Collected: 05/01/25 08:10

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.37		0.0499		mg/Kg		05/01/25 16:22	05/02/25 20:07	25
Toluene	225		1.98		mg/Kg		05/02/25 17:00	05/05/25 19:02	1000
Ethylbenzene	146		1.98		mg/Kg		05/02/25 17:00	05/05/25 19:02	1000
m-Xylene & p-Xylene	167		3.97		mg/Kg		05/02/25 17:00	05/05/25 19:02	1000
o-Xylene	104		1.98		mg/Kg		05/02/25 17:00	05/05/25 19:02	1000
Xylenes, Total	271		3.97		mg/Kg		05/02/25 17:00	05/05/25 19:02	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	725	S1+	70 - 130	05/01/25 16:22	05/02/25 20:07	25
1,4-Difluorobenzene (Surr)	106		70 - 130	05/01/25 16:22	05/02/25 20:07	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	646		3.97		mg/Kg			05/05/25 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14400		498		mg/Kg			05/05/25 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4340		498		mg/Kg		05/02/25 09:07	05/05/25 23:25	10
Diesel Range Organics (Over C10-C28)	10100		498		mg/Kg		05/02/25 09:07	05/05/25 23:25	10
Oil Range Organics (Over C28-C36)	<498	U	498		mg/Kg		05/02/25 09:07	05/05/25 23:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	205	S1+	70 - 130	05/02/25 09:07	05/05/25 23:25	10
o-Terphenyl	218	S1+	70 - 130	05/02/25 09:07	05/05/25 23:25	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		10.0		mg/Kg			05/03/25 00:27	1

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-16

Date Collected: 05/01/25 08:15

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/01/25 16:22	05/02/25 18:25	1
Toluene	0.0583		0.00199		mg/Kg		05/01/25 16:22	05/02/25 18:25	1
Ethylbenzene	0.0278		0.00199		mg/Kg		05/01/25 16:22	05/02/25 18:25	1
m-Xylene & p-Xylene	0.0332		0.00398		mg/Kg		05/01/25 16:22	05/02/25 18:25	1
o-Xylene	0.0163		0.00199		mg/Kg		05/01/25 16:22	05/02/25 18:25	1
Xylenes, Total	0.0495		0.00398		mg/Kg		05/01/25 16:22	05/02/25 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/01/25 16:22	05/02/25 18:25	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/01/25 16:22	05/02/25 18:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.136		0.00398		mg/Kg			05/02/25 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	328		49.9		mg/Kg			05/05/25 23:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/02/25 09:07	05/05/25 23:41	1
Diesel Range Organics (Over C10-C28)	328		49.9		mg/Kg		05/02/25 09:07	05/05/25 23:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/02/25 09:07	05/05/25 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				05/02/25 09:07	05/05/25 23:41	1
o-Terphenyl	128		70 - 130				05/02/25 09:07	05/05/25 23:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		10.1		mg/Kg			05/03/25 00:49	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-17

Date Collected: 05/01/25 08:20

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/01/25 16:22	05/02/25 18:45	1
Toluene	0.0484		0.00198		mg/Kg		05/01/25 16:22	05/02/25 18:45	1
Ethylbenzene	0.0162		0.00198		mg/Kg		05/01/25 16:22	05/02/25 18:45	1
m-Xylene & p-Xylene	0.0153		0.00397		mg/Kg		05/01/25 16:22	05/02/25 18:45	1
o-Xylene	0.00624		0.00198		mg/Kg		05/01/25 16:22	05/02/25 18:45	1
Xylenes, Total	0.0215		0.00397		mg/Kg		05/01/25 16:22	05/02/25 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/01/25 16:22	05/02/25 18:45	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-17

Date Collected: 05/01/25 08:20

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	05/01/25 16:22	05/02/25 18:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0861		0.00397		mg/Kg			05/02/25 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	235		49.8		mg/Kg			05/05/25 23:58	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	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/05/25 23:58	1
Diesel Range Organics (Over C10-C28)	235		49.8		mg/Kg		05/02/25 09:07	05/05/25 23:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/05/25 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	05/02/25 09:07	05/05/25 23:58	1
o-Terphenyl	128		70 - 130	05/02/25 09:07	05/05/25 23:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		9.96		mg/Kg			05/03/25 00:56	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-18

Date Collected: 05/01/25 08:25

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 4R

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		05/01/25 16:22	05/02/25 19:06	1
Toluene	0.0173		0.00199		mg/Kg		05/01/25 16:22	05/02/25 19:06	1
Ethylbenzene	0.00419		0.00199		mg/Kg		05/01/25 16:22	05/02/25 19:06	1
m-Xylene & p-Xylene	0.00406		0.00398		mg/Kg		05/01/25 16:22	05/02/25 19:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/01/25 16:22	05/02/25 19:06	1
Xylenes, Total	0.00406		0.00398		mg/Kg		05/01/25 16:22	05/02/25 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/01/25 16:22	05/02/25 19:06	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/01/25 16:22	05/02/25 19:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0256		0.00398		mg/Kg			05/02/25 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/06/25 00:14	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-18

Date Collected: 05/01/25 08:25

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 4R

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		05/02/25 09:07	05/06/25 00:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/02/25 09:07	05/06/25 00:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/02/25 09:07	05/06/25 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				05/02/25 09:07	05/06/25 00:14	1
o-Terphenyl	128		70 - 130				05/02/25 09:07	05/06/25 00:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		9.94		mg/Kg			05/03/25 01:03	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8073-19

Date Collected: 05/01/25 08:30

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00586		0.00198		mg/Kg		05/01/25 16:22	05/02/25 19:26	1
Toluene	0.0527		0.00198		mg/Kg		05/01/25 16:22	05/02/25 19:26	1
Ethylbenzene	0.0120		0.00198		mg/Kg		05/01/25 16:22	05/02/25 19:26	1
m-Xylene & p-Xylene	0.00933		0.00396		mg/Kg		05/01/25 16:22	05/02/25 19:26	1
o-Xylene	0.00331		0.00198		mg/Kg		05/01/25 16:22	05/02/25 19:26	1
Xylenes, Total	0.0126		0.00396		mg/Kg		05/01/25 16:22	05/02/25 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				05/01/25 16:22	05/02/25 19:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/01/25 16:22	05/02/25 19:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0832		0.00396		mg/Kg			05/02/25 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	121		50.0		mg/Kg			05/06/25 00:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 00:30	1
Diesel Range Organics (Over C10-C28)	121		50.0		mg/Kg		05/02/25 09:07	05/06/25 00:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 00:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				05/02/25 09:07	05/06/25 00:30	1
o-Terphenyl	128		70 - 130				05/02/25 09:07	05/06/25 00:30	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8073-19

Date Collected: 05/01/25 08:30

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5230		49.9		mg/Kg			05/03/25 01:10	5

Client Sample ID: HA - 6

Lab Sample ID: 890-8073-20

Date Collected: 05/01/25 08:35

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1R

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		05/01/25 16:22	05/02/25 19:47	1
Toluene	0.0170		0.00200		mg/Kg		05/01/25 16:22	05/02/25 19:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 19:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/01/25 16:22	05/02/25 19:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 19:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/01/25 16:22	05/02/25 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				05/01/25 16:22	05/02/25 19:47	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/01/25 16:22	05/02/25 19:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0170		0.00401		mg/Kg			05/02/25 19:47	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			05/06/25 00:45	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		05/02/25 09:07	05/06/25 00:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 00:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				05/02/25 09:07	05/06/25 00:45	1
o-Terphenyl	131	S1+	70 - 130				05/02/25 09:07	05/06/25 00:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	554		9.92		mg/Kg			05/03/25 01:17	1

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8073-21

Date Collected: 05/01/25 08:40

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00494		0.00200		mg/Kg		05/02/25 13:12	05/02/25 23:23	1
Toluene	0.0563	F1	0.00200		mg/Kg		05/02/25 13:12	05/02/25 23:23	1
Ethylbenzene	0.0113		0.00200		mg/Kg		05/02/25 13:12	05/02/25 23:23	1
m-Xylene & p-Xylene	0.0112		0.00399		mg/Kg		05/02/25 13:12	05/02/25 23:23	1
o-Xylene	0.00490	F1	0.00200		mg/Kg		05/02/25 13:12	05/02/25 23:23	1
Xylenes, Total	0.0161		0.00399		mg/Kg		05/02/25 13:12	05/02/25 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/02/25 13:12	05/02/25 23:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/02/25 13:12	05/02/25 23:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0886		0.00399		mg/Kg			05/02/25 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	379		49.9		mg/Kg			05/06/25 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/02/25 09:07	05/06/25 01:02	1
Diesel Range Organics (Over C10-C28)	379		49.9		mg/Kg		05/02/25 09:07	05/06/25 01:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/02/25 09:07	05/06/25 01:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	05/02/25 09:07	05/06/25 01:02	1
o-Terphenyl	136	S1+	70 - 130	05/02/25 09:07	05/06/25 01:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3250	F1	50.5		mg/Kg			05/05/25 12:43	5

Client Sample ID: HA - 7

Lab Sample ID: 890-8073-22

Date Collected: 05/01/25 08:45

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1R

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		05/02/25 13:12	05/02/25 23:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/02/25 23:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/02/25 23:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/02/25 13:12	05/02/25 23:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/02/25 23:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/02/25 13:12	05/02/25 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/02/25 13:12	05/02/25 23:43	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8073-22

Date Collected: 05/01/25 08:45

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1R

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130	05/02/25 13:12	05/02/25 23:43	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			05/02/25 23:43	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			05/06/25 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 01:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 01:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	05/02/25 09:07	05/06/25 01:18	1
o-Terphenyl	124		70 - 130	05/02/25 09:07	05/06/25 01:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	649		9.94		mg/Kg			05/05/25 13:04	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8073-23

Date Collected: 05/01/25 08:50

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0118		0.00202		mg/Kg		05/02/25 13:12	05/03/25 00:04	1
Toluene	0.0616		0.00202		mg/Kg		05/02/25 13:12	05/03/25 00:04	1
Ethylbenzene	0.00497		0.00202		mg/Kg		05/02/25 13:12	05/03/25 00:04	1
m-Xylene & p-Xylene	0.00547		0.00404		mg/Kg		05/02/25 13:12	05/03/25 00:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/02/25 13:12	05/03/25 00:04	1
Xylenes, Total	0.00547		0.00404		mg/Kg		05/02/25 13:12	05/03/25 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/02/25 13:12	05/03/25 00:04	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/02/25 13:12	05/03/25 00:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0838		0.00404		mg/Kg			05/03/25 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	464		49.8		mg/Kg			05/06/25 01:51	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8073-23

Date Collected: 05/01/25 08:50

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 09:07	05/06/25 01:51	1
Diesel Range Organics (Over C10-C28)	464		49.8		mg/Kg		05/02/25 09:07	05/06/25 01:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				05/02/25 09:07	05/06/25 01:51	1
o-Terphenyl	133	S1+	70 - 130				05/02/25 09:07	05/06/25 01:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		10.0		mg/Kg			05/03/25 01:52	1

Client Sample ID: HA - 8

Lab Sample ID: 890-8073-24

Date Collected: 05/01/25 08:55

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 00:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 00:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 00:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 00:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 00:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				05/02/25 13:12	05/03/25 00:24	1
1,4-Difluorobenzene (Surr)	86		70 - 130				05/02/25 13:12	05/03/25 00:24	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			05/03/25 00:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/06/25 02:07	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		05/02/25 09:07	05/06/25 02:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/02/25 09:07	05/06/25 02:07	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/02/25 09:07	05/06/25 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				05/02/25 09:07	05/06/25 02:07	1
o-Terphenyl	125		70 - 130				05/02/25 09:07	05/06/25 02:07	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8073-24

Date Collected: 05/01/25 08:55
 Date Received: 05/01/25 13:40
 Sample Depth: 1

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	412		10.1		mg/Kg			05/03/25 02:13	1

Client Sample ID: HA - 9

Lab Sample ID: 890-8073-25

Date Collected: 05/01/25 09:00
 Date Received: 05/01/25 13:40
 Sample Depth: 0.5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/02/25 13:12	05/03/25 00:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/02/25 13:12	05/03/25 00:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/02/25 13:12	05/03/25 00:45	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/02/25 13:12	05/03/25 00:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/02/25 13:12	05/03/25 00:45	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/02/25 13:12	05/03/25 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/02/25 13:12	05/03/25 00:45	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/02/25 13:12	05/03/25 00:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/03/25 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			05/06/25 02:24	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		05/02/25 09:07	05/06/25 02:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 02:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				05/02/25 09:07	05/06/25 02:24	1
o-Terphenyl	129		70 - 130				05/02/25 09:07	05/06/25 02:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		9.96		mg/Kg			05/03/25 02:20	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8073-26

Date Collected: 05/01/25 09:05

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 13:12	05/03/25 01:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/02/25 13:12	05/03/25 01:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/02/25 13:12	05/03/25 01:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/02/25 13:12	05/03/25 01:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/02/25 13:12	05/03/25 01:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/02/25 13:12	05/03/25 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/02/25 13:12	05/03/25 01:05	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/02/25 13:12	05/03/25 01:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/03/25 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			05/06/25 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		05/02/25 09:07	05/06/25 09:57	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		05/02/25 09:07	05/06/25 09:57	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		05/02/25 09:07	05/06/25 09:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	05/02/25 09:07	05/06/25 09:57	1
o-Terphenyl	227	S1+	70 - 130	05/02/25 09:07	05/06/25 09:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		9.94		mg/Kg			05/03/25 02:27	1

Client Sample ID: HA - 9

Lab Sample ID: 890-8073-27

Date Collected: 05/01/25 09:10

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 2R

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		05/02/25 13:12	05/03/25 01:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/03/25 01:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/03/25 01:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/02/25 13:12	05/03/25 01:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/03/25 01:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/02/25 13:12	05/03/25 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/02/25 13:12	05/03/25 01:25	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8073-27

Date Collected: 05/01/25 09:10

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 2R

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	87		70 - 130	05/02/25 13:12	05/03/25 01:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/03/25 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/06/25 10:13	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	<49.6	U	49.6		mg/Kg		05/02/25 09:07	05/06/25 10:13	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/02/25 09:07	05/06/25 10:13	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/02/25 09:07	05/06/25 10:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	05/02/25 09:07	05/06/25 10:13	1
o-Terphenyl	122		70 - 130	05/02/25 09:07	05/06/25 10:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.3		9.92		mg/Kg			05/03/25 02:35	1

Client Sample ID: HA - 10

Lab Sample ID: 890-8073-28

Date Collected: 05/01/25 09:15

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 13:12	05/03/25 01:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 01:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 01:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 01:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 01:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/02/25 13:12	05/03/25 01:46	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/02/25 13:12	05/03/25 01:46	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			05/03/25 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/06/25 10:29	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 10
Date Collected: 05/01/25 09:15
Date Received: 05/01/25 13:40
Sample Depth: 0.5

Lab Sample ID: 890-8073-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 10:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 10:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 10:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				05/02/25 09:07	05/06/25 10:29	1
o-Terphenyl	126		70 - 130				05/02/25 09:07	05/06/25 10:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		10.0		mg/Kg			05/03/25 02:42	1

Client Sample ID: HA - 11
Date Collected: 05/01/25 09:20
Date Received: 05/01/25 13:40
Sample Depth: 0.5

Lab Sample ID: 890-8073-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 02:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 02:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 02:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/02/25 13:12	05/03/25 02:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 02:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/02/25 13:12	05/03/25 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				05/02/25 13:12	05/03/25 02:06	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/02/25 13:12	05/03/25 02:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/03/25 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			05/06/25 10:46	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		05/02/25 09:07	05/06/25 10:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/02/25 09:07	05/06/25 10:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/02/25 09:07	05/06/25 10:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				05/02/25 09:07	05/06/25 10:46	1
o-Terphenyl	120		70 - 130				05/02/25 09:07	05/06/25 10:46	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 11

Lab Sample ID: 890-8073-29

Date Collected: 05/01/25 09:20

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		10.1		mg/Kg			05/03/25 02:49	1

Client Sample ID: HA - 11

Lab Sample ID: 890-8073-30

Date Collected: 05/01/25 09:25

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 02:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 02:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 02:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/02/25 13:12	05/03/25 02:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 02:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/02/25 13:12	05/03/25 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				05/02/25 13:12	05/03/25 02:27	1
1,4-Difluorobenzene (Surr)	89		70 - 130				05/02/25 13:12	05/03/25 02:27	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			05/03/25 02:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/06/25 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 11:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 11:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 11:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				05/02/25 09:07	05/06/25 11:02	1
o-Terphenyl	132	S1+	70 - 130				05/02/25 09:07	05/06/25 11:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		9.94		mg/Kg			05/03/25 02:56	1

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 12

Lab Sample ID: 890-8073-31

Date Collected: 05/01/25 09:30

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 13:12	05/03/25 04:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/02/25 13:12	05/03/25 04:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/02/25 13:12	05/03/25 04:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/02/25 13:12	05/03/25 04:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/02/25 13:12	05/03/25 04:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/02/25 13:12	05/03/25 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/02/25 13:12	05/03/25 04:42	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/02/25 13:12	05/03/25 04:42	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			05/03/25 04:42	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			05/06/25 11:18	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	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 11:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 11:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/02/25 09:07	05/06/25 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	05/02/25 09:07	05/06/25 11:18	1
o-Terphenyl	124		70 - 130	05/02/25 09:07	05/06/25 11:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		9.98		mg/Kg			05/02/25 21:09	1

Client Sample ID: HA - 13

Lab Sample ID: 890-8073-32

Date Collected: 05/01/25 09:35

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 13:12	05/03/25 05:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/03/25 05:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/03/25 05:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/02/25 13:12	05/03/25 05:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/02/25 13:12	05/03/25 05:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/02/25 13:12	05/03/25 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/02/25 13:12	05/03/25 05:02	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 13
 Date Collected: 05/01/25 09:35
 Date Received: 05/01/25 13:40
 Sample Depth: 0.5

Lab Sample ID: 890-8073-32
 Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	05/02/25 13:12	05/03/25 05:02	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			05/03/25 05:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/06/25 11:33	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	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 11:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 11:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/06/25 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	05/02/25 09:07	05/06/25 11:33	1
o-Terphenyl	124		70 - 130	05/02/25 09:07	05/06/25 11:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	429		9.96		mg/Kg			05/02/25 21:16	1

Client Sample ID: HA - 13
 Date Collected: 05/01/25 09:40
 Date Received: 05/01/25 13:40
 Sample Depth: 1

Lab Sample ID: 890-8073-33
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 05:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 05:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 05:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 05:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 05:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/02/25 13:12	05/03/25 05:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/02/25 13:12	05/03/25 05:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/03/25 05:22	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			05/05/25 12:01	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 13

Lab Sample ID: 890-8073-33

Date Collected: 05/01/25 09:40

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/02/25 09:10	05/05/25 12:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:10	05/05/25 12:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:10	05/05/25 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/02/25 09:10	05/05/25 12:01	1
o-Terphenyl	100		70 - 130				05/02/25 09:10	05/05/25 12:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		10.0		mg/Kg			05/02/25 21:23	1

Client Sample ID: HA - 13

Lab Sample ID: 890-8073-34

Date Collected: 05/01/25 09:45

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 13:12	05/03/25 05:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 05:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 05:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/02/25 13:12	05/03/25 05:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 05:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/02/25 13:12	05/03/25 05:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/02/25 13:12	05/03/25 05:43	1
1,4-Difluorobenzene (Surr)	86		70 - 130				05/02/25 13:12	05/03/25 05:43	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			05/03/25 05:43	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			05/05/25 16:13	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		05/02/25 09:10	05/05/25 16:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:10	05/05/25 16:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:10	05/05/25 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/02/25 09:10	05/05/25 16:13	1
o-Terphenyl	99		70 - 130				05/02/25 09:10	05/05/25 16:13	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 13
 Date Collected: 05/01/25 09:45
 Date Received: 05/01/25 13:40
 Sample Depth: 2

Lab Sample ID: 890-8073-34
 Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		10.1		mg/Kg			05/02/25 21:45	1

Client Sample ID: HA - 13
 Date Collected: 05/01/25 09:50
 Date Received: 05/01/25 13:40
 Sample Depth: 4R

Lab Sample ID: 890-8073-35
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 06:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 06:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 06:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/02/25 13:12	05/03/25 06:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 06:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/02/25 13:12	05/03/25 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				05/02/25 13:12	05/03/25 06:03	1
1,4-Difluorobenzene (Surr)	86		70 - 130				05/02/25 13:12	05/03/25 06:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/03/25 06:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/05/25 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	<49.8	U	49.8		mg/Kg		05/02/25 09:10	05/05/25 16:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/02/25 09:10	05/05/25 16:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/02/25 09:10	05/05/25 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/02/25 09:10	05/05/25 16:28	1
o-Terphenyl	97		70 - 130				05/02/25 09:10	05/05/25 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		10.1		mg/Kg			05/02/25 21:52	1

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 14

Lab Sample ID: 890-8073-36

Date Collected: 05/01/25 09:55

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 13:12	05/03/25 06:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 06:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 06:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 06:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 06:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 06:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/02/25 13:12	05/03/25 06:24	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/02/25 13:12	05/03/25 06:24	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			05/03/25 06:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/05/25 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	<49.8	U	49.8		mg/Kg		05/02/25 09:10	05/05/25 16:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/02/25 09:10	05/05/25 16:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/02/25 09:10	05/05/25 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	05/02/25 09:10	05/05/25 16:43	1
o-Terphenyl	92		70 - 130	05/02/25 09:10	05/05/25 16:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	269		9.96		mg/Kg			05/02/25 22:13	1

Client Sample ID: HA - 14

Lab Sample ID: 890-8073-37

Date Collected: 05/01/25 10:00

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 13:12	05/03/25 06:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/02/25 13:12	05/03/25 06:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/02/25 13:12	05/03/25 06:44	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/02/25 13:12	05/03/25 06:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/02/25 13:12	05/03/25 06:44	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/02/25 13:12	05/03/25 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/02/25 13:12	05/03/25 06:44	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 14

Lab Sample ID: 890-8073-37

Date Collected: 05/01/25 10:00

Matrix: Solid

Date Received: 05/01/25 13:40

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88		70 - 130	05/02/25 13:12	05/03/25 06:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/03/25 06:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/05/25 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/02/25 09:10	05/05/25 16:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:10	05/05/25 16:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:10	05/05/25 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	05/02/25 09:10	05/05/25 16:57	1
o-Terphenyl	97		70 - 130	05/02/25 09:10	05/05/25 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	245		9.94		mg/Kg			05/02/25 22:20	1

Client Sample ID: HA - 15

Lab Sample ID: 890-8073-38

Date Collected: 05/01/25 10:05

Matrix: Solid

Date Received: 05/01/25 13:40

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		05/02/25 13:12	05/03/25 07:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 07:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 07:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 07:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/02/25 13:12	05/03/25 07:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/02/25 13:12	05/03/25 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/02/25 13:12	05/03/25 07:04	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/02/25 13:12	05/03/25 07:04	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			05/03/25 07:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/05/25 17:13	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 15

Lab Sample ID: 890-8073-38

Date Collected: 05/01/25 10:05

Matrix: Solid

Date Received: 05/01/25 13:40

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	<50.3	U	50.3		mg/Kg		05/02/25 09:10	05/05/25 17:13	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/02/25 09:10	05/05/25 17:13	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/02/25 09:10	05/05/25 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	05/02/25 09:10	05/05/25 17:13	1
o-Terphenyl	96		70 - 130	05/02/25 09:10	05/05/25 17:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		9.98		mg/Kg			05/02/25 22:27	1

Surrogate Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-56959-A-24-A MB	Method Blank	106	95
890-8073-1	HA - 1	440 S1+	72
890-8073-2	HA - 1	111	91
890-8073-2 MS	HA - 1	98	92
890-8073-2 MSD	HA - 1	109	92
890-8073-3	HA - 2	148 S1+	93
890-8073-4	HA - 2	101	92
890-8073-5	HA - 2	114	91
890-8073-6	HA - 2	109	88
890-8073-7	HA - 3	334 S1+	90
890-8073-8	HA - 3	142 S1+	91
890-8073-9	HA - 3	128	92
890-8073-10	HA - 3	104	93
890-8073-11	HA - 4	111	94
890-8073-12	HA - 4	105	93
890-8073-13	HA - 4	109	87
890-8073-14	HA - 4	111	90
890-8073-15	HA - 5	725 S1+	106
890-8073-16	HA - 5	106	92
890-8073-17	HA - 5	104	92
890-8073-18	HA - 5	109	88
890-8073-19	HA - 6	105	92
890-8073-20	HA - 6	105	87
890-8073-21	HA - 7	109	94
890-8073-21 MS	HA - 7	105	93
890-8073-21 MSD	HA - 7	104	95
890-8073-22	HA - 7	108	86
890-8073-23	HA - 8	112	92
890-8073-24	HA - 8	105	86
890-8073-25	HA - 9	99	88
890-8073-26	HA - 9	105	89
890-8073-27	HA - 9	105	87
890-8073-28	HA - 10	103	83
890-8073-29	HA - 11	101	88
890-8073-30	HA - 11	111	89
890-8073-31	HA - 12	107	87
890-8073-32	HA - 13	108	91
890-8073-33	HA - 13	107	87
890-8073-34	HA - 13	103	86
890-8073-35	HA - 13	109	86
890-8073-36	HA - 14	105	88
890-8073-37	HA - 14	103	88
890-8073-38	HA - 15	108	86
LCS 880-109250/1-A	Lab Control Sample	102	94
LCS 880-109339/1-A	Lab Control Sample	110	92
LCS 880-109341/1-A	Lab Control Sample	102	104
LCS 880-109345/1-A	Lab Control Sample	98	102
LCS 880-109448/1-A	Lab Control Sample	103	88
LCSD 880-109250/2-A	Lab Control Sample Dup	103	94

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy 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)
LCSD 880-109339/2-A	Lab Control Sample Dup	107	93
LCSD 880-109341/2-A	Lab Control Sample Dup	99	103
LCSD 880-109345/2-A	Lab Control Sample Dup	97	101
LCSD 880-109448/2-A	Lab Control Sample Dup	108	89
MB 880-109250/5-A	Method Blank	102	85
MB 880-109339/5-A	Method Blank	105	84
MB 880-109341/5-A	Method Blank	123	92
MB 880-109345/5-B	Method Blank	102	94
MB 880-109448/5-A	Method Blank	109	84

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)
890-8073-1	HA - 1	309 S1+	286 S1+
890-8073-2	HA - 1	176 S1+	160 S1+
890-8073-3	HA - 2	200 S1+	202 S1+
890-8073-4	HA - 2	174 S1+	162 S1+
890-8073-5	HA - 2	173 S1+	157 S1+
890-8073-6	HA - 2	169 S1+	153 S1+
890-8073-7	HA - 3	195 S1+	193 S1+
890-8073-8	HA - 3	178 S1+	173 S1+
890-8073-9	HA - 3	174 S1+	159 S1+
890-8073-10	HA - 3	170 S1+	153 S1+
890-8073-11	HA - 4	173 S1+	163 S1+
890-8073-12	HA - 4	175 S1+	161 S1+
890-8073-13	HA - 4	136 S1+	127
890-8073-13 MS	HA - 4	144 S1+	123
890-8073-13 MSD	HA - 4	124	121
890-8073-14	HA - 4	140 S1+	129
890-8073-15	HA - 5	205 S1+	218 S1+
890-8073-16	HA - 5	134 S1+	128
890-8073-17	HA - 5	136 S1+	128
890-8073-18	HA - 5	136 S1+	128
890-8073-19	HA - 6	135 S1+	128
890-8073-20	HA - 6	141 S1+	131 S1+
890-8073-21	HA - 7	139 S1+	136 S1+
890-8073-22	HA - 7	133 S1+	124
890-8073-23	HA - 8	134 S1+	133 S1+
890-8073-24	HA - 8	136 S1+	125
890-8073-25	HA - 9	138 S1+	129
890-8073-26	HA - 9	137 S1+	227 S1+
890-8073-27	HA - 9	133 S1+	122
890-8073-28	HA - 10	138 S1+	126
890-8073-29	HA - 11	132 S1+	120

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy 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)
890-8073-30	HA - 11	144 S1+	132 S1+
890-8073-31	HA - 12	134 S1+	124
890-8073-32	HA - 13	133 S1+	124
890-8073-33	HA - 13	109	100
890-8073-33 MS	HA - 13	119	100
890-8073-33 MSD	HA - 13	116	98
890-8073-34	HA - 13	110	99
890-8073-35	HA - 13	107	97
890-8073-36	HA - 14	107	92
890-8073-37	HA - 14	109	97
890-8073-38	HA - 15	107	96
LCS 880-109215/2-A	Lab Control Sample	206 S1+	171 S1+
LCS 880-109269/2-A	Lab Control Sample	132 S1+	129
LCS 880-109270/2-A	Lab Control Sample	157 S1+	135 S1+
LCSD 880-109215/3-A	Lab Control Sample Dup	185 S1+	155 S1+
LCSD 880-109269/3-A	Lab Control Sample Dup	132 S1+	129
LCSD 880-109270/3-A	Lab Control Sample Dup	147 S1+	125
MB 880-109215/1-A	Method Blank	127	115
MB 880-109269/1-A	Method Blank	123	111
MB 880-109270/1-A	Method Blank	115	104

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-109250/5-A
 Matrix: Solid
 Analysis Batch: 109260

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 109250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 12:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 12:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 12:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/01/25 16:22	05/02/25 12:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/25 16:22	05/02/25 12:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/01/25 16:22	05/02/25 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/01/25 16:22	05/02/25 12:04	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/01/25 16:22	05/02/25 12:04	1

Lab Sample ID: LCS 880-109250/1-A
 Matrix: Solid
 Analysis Batch: 109260

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 109250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08293		mg/Kg		83	70 - 130
Toluene	0.100	0.09045		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09670		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1945		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09145		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-109250/2-A
 Matrix: Solid
 Analysis Batch: 109260

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 109250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07543		mg/Kg		75	70 - 130	9	35
Toluene	0.100	0.08235		mg/Kg		82	70 - 130	9	35
Ethylbenzene	0.100	0.08483		mg/Kg		85	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1748		mg/Kg		87	70 - 130	11	35
o-Xylene	0.100	0.08275		mg/Kg		83	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-8073-2 MS
 Matrix: Solid
 Analysis Batch: 109260

Client Sample ID: HA - 1
 Prep Type: Total/NA
 Prep Batch: 109250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00222		0.100	0.07584		mg/Kg		74	70 - 130
Toluene	0.00565		0.100	0.09043		mg/Kg		85	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

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

Lab Sample ID: 890-8073-2 MS

Client Sample ID: HA - 1

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 109260

Prep Batch: 109250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08665		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1847		mg/Kg		91	70 - 130
o-Xylene	<0.00201	U	0.100	0.08576		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-8073-2 MSD

Client Sample ID: HA - 1

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 109260

Prep Batch: 109250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00222		0.100	0.08459		mg/Kg		82	70 - 130	11	35
Toluene	0.00565		0.100	0.09787		mg/Kg		92	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.100	0.09467		mg/Kg		95	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2018		mg/Kg		99	70 - 130	9	35
o-Xylene	<0.00201	U	0.100	0.09422		mg/Kg		94	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-56959-A-24-A MB

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 109260

Prep Batch: 109339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 04:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 04:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 04:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/02/25 13:12	05/03/25 04:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/03/25 04:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/02/25 13:12	05/03/25 04:01	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/02/25 13:12	05/03/25 04:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/02/25 13:12	05/03/25 04:01	1

Lab Sample ID: MB 880-109339/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 109260

Prep Batch: 109339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/02/25 23:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/02/25 23:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/02/25 23:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/02/25 13:12	05/02/25 23:01	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-109339/5-A
Matrix: Solid
Analysis Batch: 109260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109339

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:12	05/02/25 23:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/02/25 13:12	05/02/25 23:01	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	105		70 - 130	05/02/25 13:12	05/02/25 23:01	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/02/25 13:12	05/02/25 23:01	1

Lab Sample ID: LCS 880-109339/1-A
Matrix: Solid
Analysis Batch: 109260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109339

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09239		mg/Kg		92	70 - 130
Toluene	0.100	0.09820		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1192		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2151		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-109339/2-A
Matrix: Solid
Analysis Batch: 109260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109339

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.09291		mg/Kg		93	70 - 130	1	35
Toluene	0.100	0.09756		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2092		mg/Kg		105	70 - 130	3	35
o-Xylene	0.100	0.09876		mg/Kg		99	70 - 130	3	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-8073-21 MS
Matrix: Solid
Analysis Batch: 109260

Client Sample ID: HA - 7
Prep Type: Total/NA
Prep Batch: 109339

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	0.00494		0.100	0.08821		mg/Kg		83	70 - 130
Toluene	0.0563	F1	0.100	0.09784	F1	mg/Kg		42	70 - 130
Ethylbenzene	0.0113		0.100	0.08175		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	0.0112		0.200	0.1630		mg/Kg		76	70 - 130
o-Xylene	0.00490	F1	0.100	0.07650		mg/Kg		72	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

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

Lab Sample ID: 890-8073-21 MS
Matrix: Solid
Analysis Batch: 109260

Client Sample ID: HA - 7
Prep Type: Total/NA
Prep Batch: 109339

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-8073-21 MSD
Matrix: Solid
Analysis Batch: 109260

Client Sample ID: HA - 7
Prep Type: Total/NA
Prep Batch: 109339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00494		0.100	0.08511		mg/Kg		80	70 - 130	4	35
Toluene	0.0563	F1	0.100	0.1330		mg/Kg		77	70 - 130	30	35
Ethylbenzene	0.0113		0.100	0.08303		mg/Kg		72	70 - 130	2	35
m-Xylene & p-Xylene	0.0112		0.200	0.1567		mg/Kg		73	70 - 130	4	35
o-Xylene	0.00490	F1	0.100	0.07227	F1	mg/Kg		67	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-109341/5-A
Matrix: Solid
Analysis Batch: 109374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:21	05/05/25 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:21	05/05/25 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:21	05/05/25 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/02/25 13:21	05/05/25 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/25 13:21	05/05/25 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/02/25 13:21	05/05/25 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	05/02/25 13:21	05/05/25 11:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/02/25 13:21	05/05/25 11:08	1

Lab Sample ID: LCS 880-109341/1-A
Matrix: Solid
Analysis Batch: 109374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1141		mg/Kg		114	70 - 130
Toluene	0.100	0.1053		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09892		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2020		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1036		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-109341/1-A
 Matrix: Solid
 Analysis Batch: 109374

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 109341

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

Lab Sample ID: LCSD 880-109341/2-A
 Matrix: Solid
 Analysis Batch: 109374

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 109341

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1144		mg/Kg		114	70 - 130	0	35
Toluene	0.100	0.1073		mg/Kg		107	70 - 130	2	35
Ethylbenzene	0.100	0.09891		mg/Kg		99	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2003		mg/Kg		100	70 - 130	1	35
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-109345/5-B
 Matrix: Solid
 Analysis Batch: 109380

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 109345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/02/25 17:00	05/05/25 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/02/25 17:00	05/05/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/02/25 17:00	05/05/25 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/02/25 17:00	05/05/25 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/02/25 17:00	05/05/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/02/25 17:00	05/05/25 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/02/25 17:00	05/05/25 11:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/02/25 17:00	05/05/25 11:21	1

Lab Sample ID: LCS 880-109345/1-A
 Matrix: Solid
 Analysis Batch: 109380

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 109345

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.09217		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.1014		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2005		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09970		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-109345/2-A
 Matrix: Solid
 Analysis Batch: 109380

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 109345

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Benzene	0.100	0.1057		mg/Kg		106	70 - 130	0		35
Toluene	0.100	0.09364		mg/Kg		94	70 - 130	2		35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	1		35
m-Xylene & p-Xylene	0.200	0.2015		mg/Kg		101	70 - 130	1		35
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130	1		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-109448/5-A
 Matrix: Solid
 Analysis Batch: 109477

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 109448

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/05/25 14:44	05/06/25 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/05/25 14:44	05/06/25 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/05/25 14:44	05/06/25 11:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/05/25 14:44	05/06/25 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/05/25 14:44	05/06/25 11:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/05/25 14:44	05/06/25 11:33	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	109		70 - 130	05/05/25 14:44	05/06/25 11:33	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/05/25 14:44	05/06/25 11:33	1

Lab Sample ID: LCS 880-109448/1-A
 Matrix: Solid
 Analysis Batch: 109477

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 109448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Benzene	0.100	0.08588		mg/Kg		86	70 - 130			
Toluene	0.100	0.09695		mg/Kg		97	70 - 130			
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130			
m-Xylene & p-Xylene	0.200	0.2085		mg/Kg		104	70 - 130			
o-Xylene	0.100	0.09665		mg/Kg		97	70 - 130			

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-109448/2-A
 Matrix: Solid
 Analysis Batch: 109477

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 109448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Benzene	0.100	0.08157		mg/Kg		82	70 - 130	5		35
Toluene	0.100	0.09593		mg/Kg		96	70 - 130	1		35

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-109448/2-A
 Matrix: Solid
 Analysis Batch: 109477

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 109448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD
							Limits	RPD	
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2101		mg/Kg		105	70 - 130	1	35
o-Xylene	0.100	0.09753		mg/Kg		98	70 - 130	1	35

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

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

Lab Sample ID: MB 880-109215/1-A
 Matrix: Solid
 Analysis Batch: 109321

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 109215

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/01/25 12:51	05/02/25 08:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/01/25 12:51	05/02/25 08:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/01/25 12:51	05/02/25 08:29	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	127		70 - 130	05/01/25 12:51	05/02/25 08:29	1
o-Terphenyl	115		70 - 130	05/01/25 12:51	05/02/25 08:29	1

Lab Sample ID: LCS 880-109215/2-A
 Matrix: Solid
 Analysis Batch: 109321

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 109215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	1297		mg/Kg		130	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1257		mg/Kg		126	70 - 130	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	206	S1+	70 - 130
o-Terphenyl	171	S1+	70 - 130

Lab Sample ID: LCSD 880-109215/3-A
 Matrix: Solid
 Analysis Batch: 109321

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 109215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD
							Limits	RPD	
Gasoline Range Organics (GRO)-C6-C10	1000	1168		mg/Kg		117	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130	15	20

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-109215/3-A
Matrix: Solid
Analysis Batch: 109321

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109215

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	185	S1+	70 - 130
o-Terphenyl	155	S1+	70 - 130

Lab Sample ID: MB 880-109269/1-A
Matrix: Solid
Analysis Batch: 109400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109269

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/05/25 21:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/05/25 21:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:07	05/05/25 21:32	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	123		70 - 130	05/02/25 09:07	05/05/25 21:32	1
o-Terphenyl	111		70 - 130	05/02/25 09:07	05/05/25 21:32	1

Lab Sample ID: LCS 880-109269/2-A
Matrix: Solid
Analysis Batch: 109400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109269

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: LCSD 880-109269/3-A
Matrix: Solid
Analysis Batch: 109400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109269

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	1047		mg/Kg		105	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1113		mg/Kg		111	70 - 130	1	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	129		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-8073-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8073-13 MS
Matrix: Solid
Analysis Batch: 109400

Client Sample ID: HA - 4
Prep Type: Total/NA
Prep Batch: 109269

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits	
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	932.8		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	962.7		mg/Kg		94	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	144	S1+	70 - 130							
o-Terphenyl	123		70 - 130							

Lab Sample ID: 890-8073-13 MSD
Matrix: Solid
Analysis Batch: 109400

Client Sample ID: HA - 4
Prep Type: Total/NA
Prep Batch: 109269

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	900.7		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	991.2		mg/Kg		97	70 - 130	3	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	124		70 - 130								
o-Terphenyl	121		70 - 130								

Lab Sample ID: MB 880-109270/1-A
Matrix: Solid
Analysis Batch: 109396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 109270

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/02/25 09:09	05/05/25 09:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/02/25 09:09	05/05/25 09:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/02/25 09:09	05/05/25 09:32	1
		MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	115		70 - 130			05/02/25 09:09	05/05/25 09:32	1	
o-Terphenyl	104		70 - 130			05/02/25 09:09	05/05/25 09:32	1	

Lab Sample ID: LCS 880-109270/2-A
Matrix: Solid
Analysis Batch: 109396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109270

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	980.0		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	969.0		mg/Kg		97	70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-109270/2-A
Matrix: Solid
Analysis Batch: 109396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 109270

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	157	S1+	70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: LCSD 880-109270/3-A
Matrix: Solid
Analysis Batch: 109396

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 109270

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	918.1		mg/Kg		92	70 - 130	7		20
Diesel Range Organics (Over C10-C28)	1000	934.8		mg/Kg		93	70 - 130	4		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	147	S1+	70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 890-8073-33 MS
Matrix: Solid
Analysis Batch: 109396

Client Sample ID: HA - 13
Prep Type: Total/NA
Prep Batch: 109270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	1090		mg/Kg		110	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	994	978.6		mg/Kg		98	70 - 130			

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	119		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-8073-33 MSD
Matrix: Solid
Analysis Batch: 109396

Client Sample ID: HA - 13
Prep Type: Total/NA
Prep Batch: 109270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	994	1034		mg/Kg		104	70 - 130	5		20
Diesel Range Organics (Over C10-C28)	<50.0	U	994	1010		mg/Kg		102	70 - 130	3		20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	116		70 - 130
o-Terphenyl	98		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109293/1-A
 Matrix: Solid
 Analysis Batch: 109323

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			05/02/25 16:39	1

Lab Sample ID: LCS 880-109293/2-A
 Matrix: Solid
 Analysis Batch: 109323

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.0		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-109293/3-A
 Matrix: Solid
 Analysis Batch: 109323

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

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

Lab Sample ID: 890-8073-33 MS
 Matrix: Solid
 Analysis Batch: 109323

Client Sample ID: HA - 13
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	191		251	460.6		mg/Kg		108	90 - 110

Lab Sample ID: 890-8073-33 MSD
 Matrix: Solid
 Analysis Batch: 109323

Client Sample ID: HA - 13
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	191		251	461.6		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-109296/1-A
 Matrix: Solid
 Analysis Batch: 109349

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			05/02/25 16:15	1

Lab Sample ID: LCS 880-109296/2-A
 Matrix: Solid
 Analysis Batch: 109349

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-109296/3-A
 Matrix: Solid
 Analysis Batch: 109349

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	253.7		mg/Kg		101	90 - 110	0	20

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8073-1 MS
 Matrix: Solid
 Analysis Batch: 109349

Client Sample ID: HA - 1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	99.8		250	367.8		mg/Kg		107	90 - 110

Lab Sample ID: 890-8073-1 MSD
 Matrix: Solid
 Analysis Batch: 109349

Client Sample ID: HA - 1
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	99.8		250	368.0		mg/Kg		107	90 - 110	0	20

Lab Sample ID: MB 880-109299/1-A
 Matrix: Solid
 Analysis Batch: 109354

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			05/02/25 23:24	1

Lab Sample ID: LCS 880-109299/2-A
 Matrix: Solid
 Analysis Batch: 109354

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.2		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-109299/3-A
 Matrix: Solid
 Analysis Batch: 109354

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	259.3		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-8073-11 MS
 Matrix: Solid
 Analysis Batch: 109354

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	2880	F1	1260	4379	F1	mg/Kg		119	90 - 110

Lab Sample ID: 890-8073-11 MSD
 Matrix: Solid
 Analysis Batch: 109354

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	2880	F1	1260	4364	F1	mg/Kg		118	90 - 110	0	20

Lab Sample ID: 890-8073-21 MS
 Matrix: Solid
 Analysis Batch: 109354

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	3250	F1	1260	5301	F1	mg/Kg		162	90 - 110

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-8073-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-8073-21 MSD

Client Sample ID: HA - 7

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 109354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3250	F1	1260	5280	F1	mg/Kg		160	90 - 110	0	20

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

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

GC VOA

Prep Batch: 109250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Total/NA	Solid	5035	
890-8073-2	HA - 1	Total/NA	Solid	5035	
890-8073-3	HA - 2	Total/NA	Solid	5035	
890-8073-4	HA - 2	Total/NA	Solid	5035	
890-8073-5	HA - 2	Total/NA	Solid	5035	
890-8073-6	HA - 2	Total/NA	Solid	5035	
890-8073-7	HA - 3	Total/NA	Solid	5035	
890-8073-8	HA - 3	Total/NA	Solid	5035	
890-8073-9	HA - 3	Total/NA	Solid	5035	
890-8073-10	HA - 3	Total/NA	Solid	5035	
890-8073-11	HA - 4	Total/NA	Solid	5035	
890-8073-12	HA - 4	Total/NA	Solid	5035	
890-8073-13	HA - 4	Total/NA	Solid	5035	
890-8073-14	HA - 4	Total/NA	Solid	5035	
890-8073-15	HA - 5	Total/NA	Solid	5035	
890-8073-16	HA - 5	Total/NA	Solid	5035	
890-8073-17	HA - 5	Total/NA	Solid	5035	
890-8073-18	HA - 5	Total/NA	Solid	5035	
890-8073-19	HA - 6	Total/NA	Solid	5035	
890-8073-20	HA - 6	Total/NA	Solid	5035	
MB 880-109250/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109250/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-109250/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8073-2 MS	HA - 1	Total/NA	Solid	5035	
890-8073-2 MSD	HA - 1	Total/NA	Solid	5035	

Analysis Batch: 109260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Total/NA	Solid	8021B	109250
890-8073-2	HA - 1	Total/NA	Solid	8021B	109250
890-8073-3	HA - 2	Total/NA	Solid	8021B	109250
890-8073-4	HA - 2	Total/NA	Solid	8021B	109250
890-8073-5	HA - 2	Total/NA	Solid	8021B	109250
890-8073-6	HA - 2	Total/NA	Solid	8021B	109250
890-8073-7	HA - 3	Total/NA	Solid	8021B	109250
890-8073-8	HA - 3	Total/NA	Solid	8021B	109250
890-8073-9	HA - 3	Total/NA	Solid	8021B	109250
890-8073-10	HA - 3	Total/NA	Solid	8021B	109250
890-8073-11	HA - 4	Total/NA	Solid	8021B	109250
890-8073-12	HA - 4	Total/NA	Solid	8021B	109250
890-8073-13	HA - 4	Total/NA	Solid	8021B	109250
890-8073-14	HA - 4	Total/NA	Solid	8021B	109250
890-8073-15	HA - 5	Total/NA	Solid	8021B	109250
890-8073-16	HA - 5	Total/NA	Solid	8021B	109250
890-8073-17	HA - 5	Total/NA	Solid	8021B	109250
890-8073-18	HA - 5	Total/NA	Solid	8021B	109250
890-8073-19	HA - 6	Total/NA	Solid	8021B	109250
890-8073-20	HA - 6	Total/NA	Solid	8021B	109250
890-8073-21	HA - 7	Total/NA	Solid	8021B	109339
890-8073-22	HA - 7	Total/NA	Solid	8021B	109339
890-8073-23	HA - 8	Total/NA	Solid	8021B	109339

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 109260 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-24	HA - 8	Total/NA	Solid	8021B	109339
890-8073-25	HA - 9	Total/NA	Solid	8021B	109339
890-8073-26	HA - 9	Total/NA	Solid	8021B	109339
890-8073-27	HA - 9	Total/NA	Solid	8021B	109339
890-8073-28	HA - 10	Total/NA	Solid	8021B	109339
890-8073-29	HA - 11	Total/NA	Solid	8021B	109339
890-8073-30	HA - 11	Total/NA	Solid	8021B	109339
890-8073-31	HA - 12	Total/NA	Solid	8021B	109339
890-8073-32	HA - 13	Total/NA	Solid	8021B	109339
890-8073-33	HA - 13	Total/NA	Solid	8021B	109339
890-8073-34	HA - 13	Total/NA	Solid	8021B	109339
890-8073-35	HA - 13	Total/NA	Solid	8021B	109339
890-8073-36	HA - 14	Total/NA	Solid	8021B	109339
890-8073-37	HA - 14	Total/NA	Solid	8021B	109339
890-8073-38	HA - 15	Total/NA	Solid	8021B	109339
880-56959-A-24-A MB	Method Blank	Total/NA	Solid	8021B	109339
MB 880-109250/5-A	Method Blank	Total/NA	Solid	8021B	109250
MB 880-109339/5-A	Method Blank	Total/NA	Solid	8021B	109339
LCS 880-109250/1-A	Lab Control Sample	Total/NA	Solid	8021B	109250
LCS 880-109339/1-A	Lab Control Sample	Total/NA	Solid	8021B	109339
LCSD 880-109250/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109250
LCSD 880-109339/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109339
890-8073-2 MS	HA - 1	Total/NA	Solid	8021B	109250
890-8073-2 MSD	HA - 1	Total/NA	Solid	8021B	109250
890-8073-21 MS	HA - 7	Total/NA	Solid	8021B	109339
890-8073-21 MSD	HA - 7	Total/NA	Solid	8021B	109339

Prep Batch: 109339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-21	HA - 7	Total/NA	Solid	5035	
890-8073-22	HA - 7	Total/NA	Solid	5035	
890-8073-23	HA - 8	Total/NA	Solid	5035	
890-8073-24	HA - 8	Total/NA	Solid	5035	
890-8073-25	HA - 9	Total/NA	Solid	5035	
890-8073-26	HA - 9	Total/NA	Solid	5035	
890-8073-27	HA - 9	Total/NA	Solid	5035	
890-8073-28	HA - 10	Total/NA	Solid	5035	
890-8073-29	HA - 11	Total/NA	Solid	5035	
890-8073-30	HA - 11	Total/NA	Solid	5035	
890-8073-31	HA - 12	Total/NA	Solid	5035	
890-8073-32	HA - 13	Total/NA	Solid	5035	
890-8073-33	HA - 13	Total/NA	Solid	5035	
890-8073-34	HA - 13	Total/NA	Solid	5035	
890-8073-35	HA - 13	Total/NA	Solid	5035	
890-8073-36	HA - 14	Total/NA	Solid	5035	
890-8073-37	HA - 14	Total/NA	Solid	5035	
890-8073-38	HA - 15	Total/NA	Solid	5035	
880-56959-A-24-A MB	Method Blank	Total/NA	Solid	5035	
MB 880-109339/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109339/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109339/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 109339 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-21 MS	HA - 7	Total/NA	Solid	5035	
890-8073-21 MSD	HA - 7	Total/NA	Solid	5035	

Prep Batch: 109341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-15	HA - 5	Total/NA	Solid	5035	
MB 880-109341/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109341/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109341/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 109345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Total/NA	Solid	5035	
MB 880-109345/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-109345/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109345/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 109374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-15	HA - 5	Total/NA	Solid	8021B	109341
MB 880-109341/5-A	Method Blank	Total/NA	Solid	8021B	109341
LCS 880-109341/1-A	Lab Control Sample	Total/NA	Solid	8021B	109341
LCSD 880-109341/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109341

Analysis Batch: 109380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Total/NA	Solid	8021B	109345
MB 880-109345/5-B	Method Blank	Total/NA	Solid	8021B	109345
LCS 880-109345/1-A	Lab Control Sample	Total/NA	Solid	8021B	109345
LCSD 880-109345/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109345

Analysis Batch: 109431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8073-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8073-3	HA - 2	Total/NA	Solid	Total BTEX	
890-8073-4	HA - 2	Total/NA	Solid	Total BTEX	
890-8073-5	HA - 2	Total/NA	Solid	Total BTEX	
890-8073-6	HA - 2	Total/NA	Solid	Total BTEX	
890-8073-7	HA - 3	Total/NA	Solid	Total BTEX	
890-8073-8	HA - 3	Total/NA	Solid	Total BTEX	
890-8073-9	HA - 3	Total/NA	Solid	Total BTEX	
890-8073-10	HA - 3	Total/NA	Solid	Total BTEX	
890-8073-11	HA - 4	Total/NA	Solid	Total BTEX	
890-8073-12	HA - 4	Total/NA	Solid	Total BTEX	
890-8073-13	HA - 4	Total/NA	Solid	Total BTEX	
890-8073-14	HA - 4	Total/NA	Solid	Total BTEX	
890-8073-15	HA - 5	Total/NA	Solid	Total BTEX	
890-8073-16	HA - 5	Total/NA	Solid	Total BTEX	
890-8073-17	HA - 5	Total/NA	Solid	Total BTEX	
890-8073-18	HA - 5	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-8073-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 109431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-19	HA - 6	Total/NA	Solid	Total BTEX	
890-8073-20	HA - 6	Total/NA	Solid	Total BTEX	
890-8073-21	HA - 7	Total/NA	Solid	Total BTEX	
890-8073-22	HA - 7	Total/NA	Solid	Total BTEX	
890-8073-23	HA - 8	Total/NA	Solid	Total BTEX	
890-8073-24	HA - 8	Total/NA	Solid	Total BTEX	
890-8073-25	HA - 9	Total/NA	Solid	Total BTEX	
890-8073-26	HA - 9	Total/NA	Solid	Total BTEX	
890-8073-27	HA - 9	Total/NA	Solid	Total BTEX	
890-8073-28	HA - 10	Total/NA	Solid	Total BTEX	
890-8073-29	HA - 11	Total/NA	Solid	Total BTEX	
890-8073-30	HA - 11	Total/NA	Solid	Total BTEX	
890-8073-31	HA - 12	Total/NA	Solid	Total BTEX	
890-8073-32	HA - 13	Total/NA	Solid	Total BTEX	
890-8073-33	HA - 13	Total/NA	Solid	Total BTEX	
890-8073-34	HA - 13	Total/NA	Solid	Total BTEX	
890-8073-35	HA - 13	Total/NA	Solid	Total BTEX	
890-8073-36	HA - 14	Total/NA	Solid	Total BTEX	
890-8073-37	HA - 14	Total/NA	Solid	Total BTEX	
890-8073-38	HA - 15	Total/NA	Solid	Total BTEX	

Prep Batch: 109448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-7	HA - 3	Total/NA	Solid	5035	
MB 880-109448/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109448/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109448/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 109477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-7	HA - 3	Total/NA	Solid	8021B	109448
MB 880-109448/5-A	Method Blank	Total/NA	Solid	8021B	109448
LCS 880-109448/1-A	Lab Control Sample	Total/NA	Solid	8021B	109448
LCSD 880-109448/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109448

GC Semi VOA

Prep Batch: 109215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8073-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-8073-3	HA - 2	Total/NA	Solid	8015NM Prep	
890-8073-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-8073-5	HA - 2	Total/NA	Solid	8015NM Prep	
890-8073-6	HA - 2	Total/NA	Solid	8015NM Prep	
890-8073-7	HA - 3	Total/NA	Solid	8015NM Prep	
890-8073-8	HA - 3	Total/NA	Solid	8015NM Prep	
890-8073-9	HA - 3	Total/NA	Solid	8015NM Prep	
890-8073-10	HA - 3	Total/NA	Solid	8015NM Prep	
890-8073-11	HA - 4	Total/NA	Solid	8015NM Prep	
890-8073-12	HA - 4	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 109215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-109215/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109215/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 109269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-13	HA - 4	Total/NA	Solid	8015NM Prep	
890-8073-14	HA - 4	Total/NA	Solid	8015NM Prep	
890-8073-15	HA - 5	Total/NA	Solid	8015NM Prep	
890-8073-16	HA - 5	Total/NA	Solid	8015NM Prep	
890-8073-17	HA - 5	Total/NA	Solid	8015NM Prep	
890-8073-18	HA - 5	Total/NA	Solid	8015NM Prep	
890-8073-19	HA - 6	Total/NA	Solid	8015NM Prep	
890-8073-20	HA - 6	Total/NA	Solid	8015NM Prep	
890-8073-21	HA - 7	Total/NA	Solid	8015NM Prep	
890-8073-22	HA - 7	Total/NA	Solid	8015NM Prep	
890-8073-23	HA - 8	Total/NA	Solid	8015NM Prep	
890-8073-24	HA - 8	Total/NA	Solid	8015NM Prep	
890-8073-25	HA - 9	Total/NA	Solid	8015NM Prep	
890-8073-26	HA - 9	Total/NA	Solid	8015NM Prep	
890-8073-27	HA - 9	Total/NA	Solid	8015NM Prep	
890-8073-28	HA - 10	Total/NA	Solid	8015NM Prep	
890-8073-29	HA - 11	Total/NA	Solid	8015NM Prep	
890-8073-30	HA - 11	Total/NA	Solid	8015NM Prep	
890-8073-31	HA - 12	Total/NA	Solid	8015NM Prep	
890-8073-32	HA - 13	Total/NA	Solid	8015NM Prep	
MB 880-109269/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109269/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109269/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8073-13 MS	HA - 4	Total/NA	Solid	8015NM Prep	
890-8073-13 MSD	HA - 4	Total/NA	Solid	8015NM Prep	

Prep Batch: 109270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-33	HA - 13	Total/NA	Solid	8015NM Prep	
890-8073-34	HA - 13	Total/NA	Solid	8015NM Prep	
890-8073-35	HA - 13	Total/NA	Solid	8015NM Prep	
890-8073-36	HA - 14	Total/NA	Solid	8015NM Prep	
890-8073-37	HA - 14	Total/NA	Solid	8015NM Prep	
890-8073-38	HA - 15	Total/NA	Solid	8015NM Prep	
MB 880-109270/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109270/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109270/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8073-33 MS	HA - 13	Total/NA	Solid	8015NM Prep	
890-8073-33 MSD	HA - 13	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Total/NA	Solid	8015B NM	109215
890-8073-2	HA - 1	Total/NA	Solid	8015B NM	109215
890-8073-3	HA - 2	Total/NA	Solid	8015B NM	109215

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 109321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-4	HA - 2	Total/NA	Solid	8015B NM	109215
890-8073-5	HA - 2	Total/NA	Solid	8015B NM	109215
890-8073-6	HA - 2	Total/NA	Solid	8015B NM	109215
890-8073-7	HA - 3	Total/NA	Solid	8015B NM	109215
890-8073-8	HA - 3	Total/NA	Solid	8015B NM	109215
890-8073-9	HA - 3	Total/NA	Solid	8015B NM	109215
890-8073-10	HA - 3	Total/NA	Solid	8015B NM	109215
890-8073-11	HA - 4	Total/NA	Solid	8015B NM	109215
890-8073-12	HA - 4	Total/NA	Solid	8015B NM	109215
MB 880-109215/1-A	Method Blank	Total/NA	Solid	8015B NM	109215
LCS 880-109215/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109215
LCSD 880-109215/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109215

Analysis Batch: 109396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-33	HA - 13	Total/NA	Solid	8015B NM	109270
890-8073-34	HA - 13	Total/NA	Solid	8015B NM	109270
890-8073-35	HA - 13	Total/NA	Solid	8015B NM	109270
890-8073-36	HA - 14	Total/NA	Solid	8015B NM	109270
890-8073-37	HA - 14	Total/NA	Solid	8015B NM	109270
890-8073-38	HA - 15	Total/NA	Solid	8015B NM	109270
MB 880-109270/1-A	Method Blank	Total/NA	Solid	8015B NM	109270
LCS 880-109270/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109270
LCSD 880-109270/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109270
890-8073-33 MS	HA - 13	Total/NA	Solid	8015B NM	109270
890-8073-33 MSD	HA - 13	Total/NA	Solid	8015B NM	109270

Analysis Batch: 109400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-13	HA - 4	Total/NA	Solid	8015B NM	109269
890-8073-14	HA - 4	Total/NA	Solid	8015B NM	109269
890-8073-15	HA - 5	Total/NA	Solid	8015B NM	109269
890-8073-16	HA - 5	Total/NA	Solid	8015B NM	109269
890-8073-17	HA - 5	Total/NA	Solid	8015B NM	109269
890-8073-18	HA - 5	Total/NA	Solid	8015B NM	109269
890-8073-19	HA - 6	Total/NA	Solid	8015B NM	109269
890-8073-20	HA - 6	Total/NA	Solid	8015B NM	109269
890-8073-21	HA - 7	Total/NA	Solid	8015B NM	109269
890-8073-22	HA - 7	Total/NA	Solid	8015B NM	109269
890-8073-23	HA - 8	Total/NA	Solid	8015B NM	109269
890-8073-24	HA - 8	Total/NA	Solid	8015B NM	109269
890-8073-25	HA - 9	Total/NA	Solid	8015B NM	109269
890-8073-26	HA - 9	Total/NA	Solid	8015B NM	109269
890-8073-27	HA - 9	Total/NA	Solid	8015B NM	109269
890-8073-28	HA - 10	Total/NA	Solid	8015B NM	109269
890-8073-29	HA - 11	Total/NA	Solid	8015B NM	109269
890-8073-30	HA - 11	Total/NA	Solid	8015B NM	109269
890-8073-31	HA - 12	Total/NA	Solid	8015B NM	109269
890-8073-32	HA - 13	Total/NA	Solid	8015B NM	109269
MB 880-109269/1-A	Method Blank	Total/NA	Solid	8015B NM	109269
LCS 880-109269/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109269

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 109400 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-109269/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109269
890-8073-13 MS	HA - 4	Total/NA	Solid	8015B NM	109269
890-8073-13 MSD	HA - 4	Total/NA	Solid	8015B NM	109269

Analysis Batch: 109439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Total/NA	Solid	8015 NM	
890-8073-2	HA - 1	Total/NA	Solid	8015 NM	
890-8073-3	HA - 2	Total/NA	Solid	8015 NM	
890-8073-4	HA - 2	Total/NA	Solid	8015 NM	
890-8073-5	HA - 2	Total/NA	Solid	8015 NM	
890-8073-6	HA - 2	Total/NA	Solid	8015 NM	
890-8073-7	HA - 3	Total/NA	Solid	8015 NM	
890-8073-8	HA - 3	Total/NA	Solid	8015 NM	
890-8073-9	HA - 3	Total/NA	Solid	8015 NM	
890-8073-10	HA - 3	Total/NA	Solid	8015 NM	
890-8073-11	HA - 4	Total/NA	Solid	8015 NM	
890-8073-12	HA - 4	Total/NA	Solid	8015 NM	
890-8073-13	HA - 4	Total/NA	Solid	8015 NM	
890-8073-14	HA - 4	Total/NA	Solid	8015 NM	
890-8073-15	HA - 5	Total/NA	Solid	8015 NM	
890-8073-16	HA - 5	Total/NA	Solid	8015 NM	
890-8073-17	HA - 5	Total/NA	Solid	8015 NM	
890-8073-18	HA - 5	Total/NA	Solid	8015 NM	
890-8073-19	HA - 6	Total/NA	Solid	8015 NM	
890-8073-20	HA - 6	Total/NA	Solid	8015 NM	
890-8073-21	HA - 7	Total/NA	Solid	8015 NM	
890-8073-22	HA - 7	Total/NA	Solid	8015 NM	
890-8073-23	HA - 8	Total/NA	Solid	8015 NM	
890-8073-24	HA - 8	Total/NA	Solid	8015 NM	
890-8073-25	HA - 9	Total/NA	Solid	8015 NM	
890-8073-26	HA - 9	Total/NA	Solid	8015 NM	
890-8073-27	HA - 9	Total/NA	Solid	8015 NM	
890-8073-28	HA - 10	Total/NA	Solid	8015 NM	
890-8073-29	HA - 11	Total/NA	Solid	8015 NM	
890-8073-30	HA - 11	Total/NA	Solid	8015 NM	
890-8073-31	HA - 12	Total/NA	Solid	8015 NM	
890-8073-32	HA - 13	Total/NA	Solid	8015 NM	
890-8073-33	HA - 13	Total/NA	Solid	8015 NM	
890-8073-34	HA - 13	Total/NA	Solid	8015 NM	
890-8073-35	HA - 13	Total/NA	Solid	8015 NM	
890-8073-36	HA - 14	Total/NA	Solid	8015 NM	
890-8073-37	HA - 14	Total/NA	Solid	8015 NM	
890-8073-38	HA - 15	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 109293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-31	HA - 12	Soluble	Solid	DI Leach	
890-8073-32	HA - 13	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-8073-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 109293 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-33	HA - 13	Soluble	Solid	DI Leach	
890-8073-34	HA - 13	Soluble	Solid	DI Leach	
890-8073-35	HA - 13	Soluble	Solid	DI Leach	
890-8073-36	HA - 14	Soluble	Solid	DI Leach	
890-8073-37	HA - 14	Soluble	Solid	DI Leach	
890-8073-38	HA - 15	Soluble	Solid	DI Leach	
MB 880-109293/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109293/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109293/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8073-33 MS	HA - 13	Soluble	Solid	DI Leach	
890-8073-33 MSD	HA - 13	Soluble	Solid	DI Leach	

Leach Batch: 109296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Soluble	Solid	DI Leach	
890-8073-2	HA - 1	Soluble	Solid	DI Leach	
890-8073-3	HA - 2	Soluble	Solid	DI Leach	
890-8073-4	HA - 2	Soluble	Solid	DI Leach	
890-8073-5	HA - 2	Soluble	Solid	DI Leach	
890-8073-6	HA - 2	Soluble	Solid	DI Leach	
890-8073-7	HA - 3	Soluble	Solid	DI Leach	
890-8073-8	HA - 3	Soluble	Solid	DI Leach	
890-8073-9	HA - 3	Soluble	Solid	DI Leach	
890-8073-10	HA - 3	Soluble	Solid	DI Leach	
MB 880-109296/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109296/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109296/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8073-1 MS	HA - 1	Soluble	Solid	DI Leach	
890-8073-1 MSD	HA - 1	Soluble	Solid	DI Leach	

Leach Batch: 109299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-11	HA - 4	Soluble	Solid	DI Leach	
890-8073-12	HA - 4	Soluble	Solid	DI Leach	
890-8073-13	HA - 4	Soluble	Solid	DI Leach	
890-8073-14	HA - 4	Soluble	Solid	DI Leach	
890-8073-15	HA - 5	Soluble	Solid	DI Leach	
890-8073-16	HA - 5	Soluble	Solid	DI Leach	
890-8073-17	HA - 5	Soluble	Solid	DI Leach	
890-8073-18	HA - 5	Soluble	Solid	DI Leach	
890-8073-19	HA - 6	Soluble	Solid	DI Leach	
890-8073-20	HA - 6	Soluble	Solid	DI Leach	
890-8073-21	HA - 7	Soluble	Solid	DI Leach	
890-8073-22	HA - 7	Soluble	Solid	DI Leach	
890-8073-23	HA - 8	Soluble	Solid	DI Leach	
890-8073-24	HA - 8	Soluble	Solid	DI Leach	
890-8073-25	HA - 9	Soluble	Solid	DI Leach	
890-8073-26	HA - 9	Soluble	Solid	DI Leach	
890-8073-27	HA - 9	Soluble	Solid	DI Leach	
890-8073-28	HA - 10	Soluble	Solid	DI Leach	
890-8073-29	HA - 11	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-8073-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 109299 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-30	HA - 11	Soluble	Solid	DI Leach	
MB 880-109299/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109299/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109299/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8073-11 MS	HA - 4	Soluble	Solid	DI Leach	
890-8073-11 MSD	HA - 4	Soluble	Solid	DI Leach	
890-8073-21 MS	HA - 7	Soluble	Solid	DI Leach	
890-8073-21 MSD	HA - 7	Soluble	Solid	DI Leach	

Analysis Batch: 109323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-31	HA - 12	Soluble	Solid	300.0	109293
890-8073-32	HA - 13	Soluble	Solid	300.0	109293
890-8073-33	HA - 13	Soluble	Solid	300.0	109293
890-8073-34	HA - 13	Soluble	Solid	300.0	109293
890-8073-35	HA - 13	Soluble	Solid	300.0	109293
890-8073-36	HA - 14	Soluble	Solid	300.0	109293
890-8073-37	HA - 14	Soluble	Solid	300.0	109293
890-8073-38	HA - 15	Soluble	Solid	300.0	109293
MB 880-109293/1-A	Method Blank	Soluble	Solid	300.0	109293
LCS 880-109293/2-A	Lab Control Sample	Soluble	Solid	300.0	109293
LCSD 880-109293/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109293
890-8073-33 MS	HA - 13	Soluble	Solid	300.0	109293
890-8073-33 MSD	HA - 13	Soluble	Solid	300.0	109293

Analysis Batch: 109349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-1	HA - 1	Soluble	Solid	300.0	109296
890-8073-2	HA - 1	Soluble	Solid	300.0	109296
890-8073-3	HA - 2	Soluble	Solid	300.0	109296
890-8073-4	HA - 2	Soluble	Solid	300.0	109296
890-8073-5	HA - 2	Soluble	Solid	300.0	109296
890-8073-6	HA - 2	Soluble	Solid	300.0	109296
890-8073-7	HA - 3	Soluble	Solid	300.0	109296
890-8073-8	HA - 3	Soluble	Solid	300.0	109296
890-8073-9	HA - 3	Soluble	Solid	300.0	109296
890-8073-10	HA - 3	Soluble	Solid	300.0	109296
MB 880-109296/1-A	Method Blank	Soluble	Solid	300.0	109296
LCS 880-109296/2-A	Lab Control Sample	Soluble	Solid	300.0	109296
LCSD 880-109296/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109296
890-8073-1 MS	HA - 1	Soluble	Solid	300.0	109296
890-8073-1 MSD	HA - 1	Soluble	Solid	300.0	109296

Analysis Batch: 109354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-11	HA - 4	Soluble	Solid	300.0	109299
890-8073-12	HA - 4	Soluble	Solid	300.0	109299
890-8073-13	HA - 4	Soluble	Solid	300.0	109299
890-8073-14	HA - 4	Soluble	Solid	300.0	109299
890-8073-15	HA - 5	Soluble	Solid	300.0	109299
890-8073-16	HA - 5	Soluble	Solid	300.0	109299

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 109354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8073-17	HA - 5	Soluble	Solid	300.0	109299
890-8073-18	HA - 5	Soluble	Solid	300.0	109299
890-8073-19	HA - 6	Soluble	Solid	300.0	109299
890-8073-20	HA - 6	Soluble	Solid	300.0	109299
890-8073-21	HA - 7	Soluble	Solid	300.0	109299
890-8073-22	HA - 7	Soluble	Solid	300.0	109299
890-8073-23	HA - 8	Soluble	Solid	300.0	109299
890-8073-24	HA - 8	Soluble	Solid	300.0	109299
890-8073-25	HA - 9	Soluble	Solid	300.0	109299
890-8073-26	HA - 9	Soluble	Solid	300.0	109299
890-8073-27	HA - 9	Soluble	Solid	300.0	109299
890-8073-28	HA - 10	Soluble	Solid	300.0	109299
890-8073-29	HA - 11	Soluble	Solid	300.0	109299
890-8073-30	HA - 11	Soluble	Solid	300.0	109299
MB 880-109299/1-A	Method Blank	Soluble	Solid	300.0	109299
LCS 880-109299/2-A	Lab Control Sample	Soluble	Solid	300.0	109299
LCSD 880-109299/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109299
890-8073-11 MS	HA - 4	Soluble	Solid	300.0	109299
890-8073-11 MSD	HA - 4	Soluble	Solid	300.0	109299
890-8073-21 MS	HA - 7	Soluble	Solid	300.0	109299
890-8073-21 MSD	HA - 7	Soluble	Solid	300.0	109299

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

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 1
 Date Collected: 05/01/25 07:00
 Date Received: 05/01/25 13:40

Lab Sample ID: 890-8073-1
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	109345	05/02/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	109380	05/05/25 14:47	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	109260	05/02/25 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/05/25 14:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 17:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	109321	05/02/25 17:26	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		1			109349	05/02/25 17:52	SMC	EET MID

Client Sample ID: HA - 1
 Date Collected: 05/01/25 07:05
 Date Received: 05/01/25 13:40

Lab Sample ID: 890-8073-2
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 12:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 17:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 17:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		1			109349	05/02/25 18:08	SMC	EET MID

Client Sample ID: HA - 2
 Date Collected: 05/01/25 07:10
 Date Received: 05/01/25 13:40

Lab Sample ID: 890-8073-3
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 12:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 18:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 18:40	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		5			109349	05/02/25 18:14	SMC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8073-4

Date Collected: 05/01/25 07:15

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 13:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 18:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 18:55	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		5			109349	05/02/25 18:31	SMC	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8073-5

Date Collected: 05/01/25 07:20

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 13:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 19:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 19:10	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		1			109349	05/02/25 18:37	SMC	EET MID

Client Sample ID: HA - 2

Lab Sample ID: 890-8073-6

Date Collected: 05/01/25 07:25

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 13:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 19:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 19:25	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		1			109349	05/02/25 18:42	SMC	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-7

Date Collected: 05/01/25 07:30

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 14:07	MNR	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-7

Date Collected: 05/01/25 07:30

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109448	05/05/25 14:44	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	109477	05/06/25 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/06/25 14:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 19:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 19:39	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		5			109349	05/02/25 18:48	SMC	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-8

Date Collected: 05/01/25 07:35

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 14:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 19:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 19:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		1			109349	05/02/25 18:54	SMC	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-9

Date Collected: 05/01/25 07:40

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 20:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 20:09	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		1			109349	05/02/25 18:59	SMC	EET MID

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-10

Date Collected: 05/01/25 07:45

Matrix: Solid

Date Received: 05/01/25 13:40

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	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 15:08	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8073-10

Date Collected: 05/01/25 07:45

Matrix: Solid

Date Received: 05/01/25 13:40

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			109439	05/02/25 20:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 20:24	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	109296	05/02/25 10:32	SA	EET MID
Soluble	Analysis	300.0		1			109349	05/02/25 19:05	SMC	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-11

Date Collected: 05/01/25 07:50

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 17:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 20:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 20:38	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		5			109354	05/02/25 23:45	SMC	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-12

Date Collected: 05/01/25 07:55

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 17:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/02/25 20:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	109215	05/01/25 12:51	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109321	05/02/25 20:54	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 00:06	SMC	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-13

Date Collected: 05/01/25 08:00

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 17:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 22:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/05/25 22:20	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-13

Date Collected: 05/01/25 08:00

Matrix: Solid

Date Received: 05/01/25 13:40

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	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 00:13	SMC	EET MID

Client Sample ID: HA - 4

Lab Sample ID: 890-8073-14

Date Collected: 05/01/25 08:05

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 18:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 23:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/05/25 23:08	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 00:20	SMC	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-15

Date Collected: 05/01/25 08:10

Matrix: Solid

Date Received: 05/01/25 13:40

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	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	109260	05/02/25 20:07	MNR	EET MID
Total/NA	Prep	5035			5.04 g	5 mL	109341	05/02/25 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	109374	05/05/25 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/05/25 19:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 23:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	109400	05/05/25 23:25	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 00:27	SMC	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-16

Date Collected: 05/01/25 08:15

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 23:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/05/25 23:41	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-16

Date Collected: 05/01/25 08:15

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 00:49	SMC	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-17

Date Collected: 05/01/25 08:20

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 18:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 23:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/05/25 23:58	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 00:56	SMC	EET MID

Client Sample ID: HA - 5

Lab Sample ID: 890-8073-18

Date Collected: 05/01/25 08:25

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 19:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 00:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 00:14	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 01:03	SMC	EET MID

Client Sample ID: HA - 6

Lab Sample ID: 890-8073-19

Date Collected: 05/01/25 08:30

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 19:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 00:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 00:30	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		5			109354	05/03/25 01:10	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8073-20

Date Collected: 05/01/25 08:35

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	109250	05/01/25 16:22	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 19:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 00:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 00:45	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 01:17	SMC	EET MID

Client Sample ID: HA - 7

Lab Sample ID: 890-8073-21

Date Collected: 05/01/25 08:40

Matrix: Solid

Date Received: 05/01/25 13:40

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	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 23:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 23:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 01:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 01:02	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		5			109354	05/05/25 12:43	SMC	EET MID

Client Sample ID: HA - 7

Lab Sample ID: 890-8073-22

Date Collected: 05/01/25 08:45

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/02/25 23:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/02/25 23:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 01:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 01:18	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/05/25 13:04	SMC	EET MID

Client Sample ID: HA - 8

Lab Sample ID: 890-8073-23

Date Collected: 05/01/25 08:50

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 00:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 00:04	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 8

Lab Sample ID: 890-8073-23

Date Collected: 05/01/25 08:50

Matrix: Solid

Date Received: 05/01/25 13:40

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			109439	05/06/25 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 01:51	TKC	EET MID
Soluble	Leach	DI Leach			5.0 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 01:52	SMC	EET MID

Client Sample ID: HA - 8

Lab Sample ID: 890-8073-24

Date Collected: 05/01/25 08:55

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 00:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 00:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 02:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 02:07	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 02:13	SMC	EET MID

Client Sample ID: HA - 9

Lab Sample ID: 890-8073-25

Date Collected: 05/01/25 09:00

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 00:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 02:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 02:24	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 02:20	SMC	EET MID

Client Sample ID: HA - 9

Lab Sample ID: 890-8073-26

Date Collected: 05/01/25 09:05

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 01:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 01:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 09:57	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 9

Lab Sample ID: 890-8073-26

Date Collected: 05/01/25 09:05

Matrix: Solid

Date Received: 05/01/25 13:40

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	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 02:27	SMC	EET MID

Client Sample ID: HA - 9

Lab Sample ID: 890-8073-27

Date Collected: 05/01/25 09:10

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 01:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 01:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 10:13	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 02:35	SMC	EET MID

Client Sample ID: HA - 10

Lab Sample ID: 890-8073-28

Date Collected: 05/01/25 09:15

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 01:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 01:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 10:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 10:29	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 02:42	SMC	EET MID

Client Sample ID: HA - 11

Lab Sample ID: 890-8073-29

Date Collected: 05/01/25 09:20

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 02:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 02:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 10:46	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 02:49	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 11

Lab Sample ID: 890-8073-30

Date Collected: 05/01/25 09:25

Matrix: Solid

Date Received: 05/01/25 13:40

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	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 02:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 02:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 11:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 11:02	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109299	05/02/25 10:34	SA	EET MID
Soluble	Analysis	300.0		1			109354	05/03/25 02:56	SMC	EET MID

Client Sample ID: HA - 12

Lab Sample ID: 890-8073-31

Date Collected: 05/01/25 09:30

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 04:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 04:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 11:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 11:18	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109293	05/02/25 10:27	SA	EET MID
Soluble	Analysis	300.0		1			109323	05/02/25 21:09	SMC	EET MID

Client Sample ID: HA - 13

Lab Sample ID: 890-8073-32

Date Collected: 05/01/25 09:35

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 05:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 05:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/06/25 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109269	05/02/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109400	05/06/25 11:33	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	109293	05/02/25 10:27	SA	EET MID
Soluble	Analysis	300.0		1			109323	05/02/25 21:16	SMC	EET MID

Client Sample ID: HA - 13

Lab Sample ID: 890-8073-33

Date Collected: 05/01/25 09:40

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 05:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 05:22	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 13

Lab Sample ID: 890-8073-33

Date Collected: 05/01/25 09:40

Matrix: Solid

Date Received: 05/01/25 13:40

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			109439	05/05/25 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109270	05/02/25 09:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109396	05/05/25 12:01	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109293	05/02/25 10:27	SA	EET MID
Soluble	Analysis	300.0		1			109323	05/02/25 21:23	SMC	EET MID

Client Sample ID: HA - 13

Lab Sample ID: 890-8073-34

Date Collected: 05/01/25 09:45

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 05:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 05:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 16:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109270	05/02/25 09:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109396	05/05/25 16:13	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109293	05/02/25 10:27	SA	EET MID
Soluble	Analysis	300.0		1			109323	05/02/25 21:45	SMC	EET MID

Client Sample ID: HA - 13

Lab Sample ID: 890-8073-35

Date Collected: 05/01/25 09:50

Matrix: Solid

Date Received: 05/01/25 13:40

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	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 06:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 06:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 16:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109270	05/02/25 09:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109396	05/05/25 16:28	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	109293	05/02/25 10:27	SA	EET MID
Soluble	Analysis	300.0		1			109323	05/02/25 21:52	SMC	EET MID

Client Sample ID: HA - 14

Lab Sample ID: 890-8073-36

Date Collected: 05/01/25 09:55

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 06:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 06:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 16:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	109270	05/02/25 09:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109396	05/05/25 16:43	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-8073-1
 SDG: Eddy County, NM

Client Sample ID: HA - 14

Lab Sample ID: 890-8073-36

Date Collected: 05/01/25 09:55

Matrix: Solid

Date Received: 05/01/25 13:40

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	109293	05/02/25 10:27	SA	EET MID
Soluble	Analysis	300.0		1			109323	05/02/25 22:13	SMC	EET MID

Client Sample ID: HA - 14

Lab Sample ID: 890-8073-37

Date Collected: 05/01/25 10:00

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 06:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 06:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 16:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109270	05/02/25 09:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109396	05/05/25 16:57	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109293	05/02/25 10:27	SA	EET MID
Soluble	Analysis	300.0		1			109323	05/02/25 22:20	SMC	EET MID

Client Sample ID: HA - 15

Lab Sample ID: 890-8073-38

Date Collected: 05/01/25 10:05

Matrix: Solid

Date Received: 05/01/25 13:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	109339	05/02/25 13:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109260	05/03/25 07:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109431	05/03/25 07:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			109439	05/05/25 17:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	109270	05/02/25 09:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109396	05/05/25 17:13	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109293	05/02/25 10:27	SA	EET MID
Soluble	Analysis	300.0		1			109323	05/02/25 22:27	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-8073-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-8073-1
SDG: Eddy County, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-8073-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8073-1	HA - 1	Solid	05/01/25 07:00	05/01/25 13:40	0.5
890-8073-2	HA - 1	Solid	05/01/25 07:05	05/01/25 13:40	1
890-8073-3	HA - 2	Solid	05/01/25 07:10	05/01/25 13:40	0.5
890-8073-4	HA - 2	Solid	05/01/25 07:15	05/01/25 13:40	1
890-8073-5	HA - 2	Solid	05/01/25 07:20	05/01/25 13:40	2
890-8073-6	HA - 2	Solid	05/01/25 07:25	05/01/25 13:40	4
890-8073-7	HA - 3	Solid	05/01/25 07:30	05/01/25 13:40	0.5
890-8073-8	HA - 3	Solid	05/01/25 07:35	05/01/25 13:40	1
890-8073-9	HA - 3	Solid	05/01/25 07:40	05/01/25 13:40	2
890-8073-10	HA - 3	Solid	05/01/25 07:45	05/01/25 13:40	4R
890-8073-11	HA - 4	Solid	05/01/25 07:50	05/01/25 13:40	0.5
890-8073-12	HA - 4	Solid	05/01/25 07:55	05/01/25 13:40	1
890-8073-13	HA - 4	Solid	05/01/25 08:00	05/01/25 13:40	2
890-8073-14	HA - 4	Solid	05/01/25 08:05	05/01/25 13:40	4R
890-8073-15	HA - 5	Solid	05/01/25 08:10	05/01/25 13:40	0.5
890-8073-16	HA - 5	Solid	05/01/25 08:15	05/01/25 13:40	1
890-8073-17	HA - 5	Solid	05/01/25 08:20	05/01/25 13:40	2
890-8073-18	HA - 5	Solid	05/01/25 08:25	05/01/25 13:40	4R
890-8073-19	HA - 6	Solid	05/01/25 08:30	05/01/25 13:40	0.5
890-8073-20	HA - 6	Solid	05/01/25 08:35	05/01/25 13:40	1R
890-8073-21	HA - 7	Solid	05/01/25 08:40	05/01/25 13:40	0.5
890-8073-22	HA - 7	Solid	05/01/25 08:45	05/01/25 13:40	1R
890-8073-23	HA - 8	Solid	05/01/25 08:50	05/01/25 13:40	0.5
890-8073-24	HA - 8	Solid	05/01/25 08:55	05/01/25 13:40	1
890-8073-25	HA - 9	Solid	05/01/25 09:00	05/01/25 13:40	0.5
890-8073-26	HA - 9	Solid	05/01/25 09:05	05/01/25 13:40	1
890-8073-27	HA - 9	Solid	05/01/25 09:10	05/01/25 13:40	2R
890-8073-28	HA - 10	Solid	05/01/25 09:15	05/01/25 13:40	0.5
890-8073-29	HA - 11	Solid	05/01/25 09:20	05/01/25 13:40	0.5
890-8073-30	HA - 11	Solid	05/01/25 09:25	05/01/25 13:40	1
890-8073-31	HA - 12	Solid	05/01/25 09:30	05/01/25 13:40	0.5
890-8073-32	HA - 13	Solid	05/01/25 09:35	05/01/25 13:40	0.5
890-8073-33	HA - 13	Solid	05/01/25 09:40	05/01/25 13:40	1
890-8073-34	HA - 13	Solid	05/01/25 09:45	05/01/25 13:40	2
890-8073-35	HA - 13	Solid	05/01/25 09:50	05/01/25 13:40	4R
890-8073-36	HA - 14	Solid	05/01/25 09:55	05/01/25 13:40	0.5
890-8073-37	HA - 14	Solid	05/01/25 10:00	05/01/25 13:40	1
890-8073-38	HA - 15	Solid	05/01/25 10:05	05/01/25 13:40	0.5



Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 5

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

Project Name:	War Horse Federal Com	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	VP-341	Due Date:	5 Day TAT
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Gilbert Moreno	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
P/WO #:		Thermometer ID:	11000
		Correction Factor:	-0.2
		Temperature Reading:	1.2
		Corrected Temperature:	1.0



890-8073 Chain of Custody

ANALYSIS REQUEST

Preservative Codes

Program: UST/PST PRP Brownfields RCC Superfund

State of Project: _____

Reporting: Level II Level III PST/UST TRRP Level IV

Deliverables: EDD ADAPT Other: _____

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	5.1.25	7:00	0.5	Grab/	1	X	X	X			Incident Number nAPP2511554072
HA-1	S	5.1.25	7:05	1	Grab/	1	X	X	X			
HA-2	S	5.1.25	7:10	0.5	Grab/	1	X	X	X			
HA-2	S	5.1.25	7:15	1	Grab/	1	X	X	X			
HA-2	S	5.1.25	7:20	2	Grab/	1	X	X	X			
HA-2	S	5.1.25	7:25	4	Grab/	1	X	X	X			
HA-3	S	5.1.25	7:30	0.5	Grab/	1	X	X	X			
HA-3	S	5.1.25	7:35	1	Grab/	1	X	X	X			
HA-3	S	5.1.25	7:40	2	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: _____

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Gilbert Moreno</i>	<i>[Signature]</i>	5/1 1342			



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 5

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

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund State of Project: Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	Work Order Comments None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
--	--

Project Name:	War Horse Federal Com	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes
Project Number:	VP-341	Due Date:	5 Day TAT					
Project Location:	Eddy County, NM	TAT starts the day received by the lab, if received by 4:30pm						
Sampler's Name:	Gilbert Moreno	Temp Blank:	Yes No	Wet Ice:	Yes No	Parameters		
POW/O #:		Samples Received Intact:	Yes No	Thermometer ID:	TALMCCN			
		Cooler Custody Seals:	Yes No	Correction Factor:	-0.2			
		Sample Custody Seals:	Yes No	Temperature Reading:	1.2			
		Total Containers:		Corrected Temperature:	1.0			

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	5.1.25	7:45	4R	Grab/1	1	X	X	X			Incident Number NAPP2511554072
HA-4	S	5.1.25	7:50	0.5	Grab/1	1	X	X	X			
HA-4	S	5.1.25	7:55	1	Grab/1	1	X	X	X			
HA-4	S	5.1.25	8:00	2	Grab/1	1	X	X	X			
HA-4	S	5.1.25	8:05	4R	Grab/1	1	X	X	X			
HA-5	S	5.1.25	8:10	0.5	Grab/1	1	X	X	X			
HA-5	S	5.1.25	8:15	1	Grab/1	1	X	X	X			
HA-5	S	5.1.25	8:20	2	Grab/1	1	X	X	X			
HA-5	S	5.1.25	8:25	4R	Grab/1	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed
 Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/11/1346			



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 5

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

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	War Horse Federal Com	Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	VP-341	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			None: NO <input type="checkbox"/> DI Water: H ₂ O
Project Location:	Eddy County, NM	Due Date:	5 Day TAT		Cool: Cool <input type="checkbox"/> MeOH: Me
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm			HCL: HC <input type="checkbox"/> HNO ₃ : HN
POWV #:		Temp Blank:	Yes No	Wet Ice:	H ₂ SO ₄ : H ₂ <input type="checkbox"/> NaOH: Na
SAMPLE RECEIPT		Thermometer ID:	Yes No		H ₃ PO ₄ : HP
Samples Received Intact:	Yes No	Correction Factor:	Yes No		NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes No	Temperature Reading:	Yes No		Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No	Corrected Temperature:	1.0		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-6	S	5.1.25	8:30	0.5	Grab/1	1	X	X	X			Incident Number NAPP2511554072
HA-6	S	5.1.25	8:35	1R	Grab/1	1	X	X	X			
HA-7	S	5.1.25	8:40	0.5	Grab/1	1	X	X	X			
HA-7	S	5.1.25	8:45	1R	Grab/1	1	X	X	X			
HA-8	S	5.1.25	8:50	0.5	Grab/1	1	X	X	X			
HA-8	S	5.1.25	8:55	1	Grab/1	1	X	X	X			
HA-9	S	5.1.25	9:00	0.5	Grab/1	1	X	X	X			
HA-9	S	5.1.25	9:05	1	Grab/1	1	X	X	X			
HA-9	S	5.1.25	9:10	2R	Grab/1	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature) _____ Received by: (Signature) _____ Date/Time _____

Carberry

Summ

5/1/3/40

Relinquished by: (Signature) _____

Received by: (Signature) _____

Date/Time _____



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 4 of 5

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

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund State of Project: _____ Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	Work Order Comments _____ _____ _____
--	--

Project Name:	War Horse Federal Com	Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	VP-341	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			None: NO DI Water: H ₂ O
Project Location:	Eddy County, NM	Due Date:	5 Day TAT		Geol: Geol MeOH: Me
Sampler's Name:	Gilbert Moreno	TAT starts the day received by the lab, if received by 4:30pm			HCL: HC HNO ₃ : HN
POWVO #:		Temp Blank:	Yes No	Wet Ice:	H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT		Thermometer ID:	Yes No		H ₃ PO ₄ : HP
Samples Received Intact:	Yes No	Correction Factor:	Yes No		NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes No	Temperature Reading:	Yes No		Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No	Corrected Temperature:			Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Total Containers:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp	# of Cont	TPH -NM	Chloride -NM	BTEX -NM	Hold	24 Hr Rush	Sample Comments
HA-10	S	5.1.25	9:15	0.5	Grab/1	1	X	X	X			Incident Number nAPP2511554072
HA-11	S	5.1.25	9:20	0.5	Grab/1	1	X	X	X			
HA-11	S	5.1.25	9:25	1	Grab/1	1	X	X	X			
HA-12	S	5.1.25	9:30	0.5	Grab/1	1	X	X	X			
HA-13	S	5.1.25	9:35	0.5	Grab/1	1	X	X	X			
HA-13	S	5.1.25	9:40	1	Grab/1	1	X	X	X			
HA-13	S	5.1.25	9:45	2	Grab/1	1	X	X	X			
HA-13	S	5.1.25	9:50	4R	Grab/1	1	X	X	X			
HA-14	S	5.1.25	9:55	0.5	Grab/1	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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 \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/1 15:42			



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 5 of 5

Project Manager:	GILBERT MORENO	Bill to: (if different)	EMTH SYSTEMS PER
Company Name:	EMTH SYSTEMS PER	Company Name:	
Address:	1910 RESURGE CT.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	532-541 7219	Email:	gmoreno@earthsys.net

Program:	UST/PST <input type="checkbox"/> PPF <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> AD&PT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	WAB HOASE FEO CON	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	VP-341	Due Date:	5-04		
Project Location:	EDDY COUNTY, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	GILBERT MORENO	Wet/ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	TIMMART
P.O. #:		Correction Factor:	-0.2	Temperature Reading:	1.2
		Total Containers:	Corrected Temperature:	1.0	

SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet/ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	TIMMART	Temperature Reading:	1.2	Corrected Temperature:	1.0
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.2	Temperature Reading:	1.2	Total Containers:	Corrected Temperature:	1.0		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
HA-14	S	8.1.25	10:00	0.1'	G	1	TPH-NM	None: NO Cool: Cool HCL: HCL H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
HA-15	S	5.1.25	10:05	0.5'	G	1	CHLORIDE-NM BTEX-NM		

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 TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/1 13:40			

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8073-1
SDG Number: Eddy County, NM

Login Number: 8073

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	

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8073-1
SDG Number: Eddy County, NM

Login Number: 8073
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 05/02/25 08:48 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	

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



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

Generated 11/10/2025 4:48:40 PM

JOB DESCRIPTION

War Horse Federal Com
 Eddy County, NM

JOB NUMBER

890-9043-1



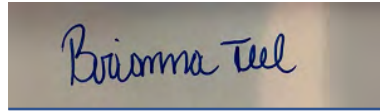
Eurofins Carlsbad

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
11/10/2025 4:48:40 PM

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

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

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Laboratory Job ID: 890-9043-1
SDG: Eddy County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	18
QC Sample Results	20
QC Association Summary	24
Lab Chronicle	28
Certification Summary	33
Method Summary	34
Sample Summary	35
Chain of Custody	36
Receipt Checklists	40

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9043-1
SDG: Eddy County, NM

Qualifiers

GC 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.

GC Semi VOA

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

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: War Horse Federal Com

Job ID: 890-9043-1

Job ID: 890-9043-1

Eurofins Carlsbad

Job Narrative 890-9043-1

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 11/7/2025 3:08 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 -0.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (890-9043-1), CS-2 (890-9043-2), CS-3 (890-9043-3), CS-4 (890-9043-4), CS-5 (890-9043-5), CS-6 (890-9043-6), CS-7 (890-9043-7), CS-8 (890-9043-8), CS-9 (890-9043-9), CS-10 (890-9043-10), CS-11 (890-9043-11), CS-12 (890-9043-12), CS-13 (890-9043-13), CS-14 (890-9043-14) and CS-15 (890-9043-15).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-123394 and analytical batch 880-123432 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-3 (890-9043-3), CS-4 (890-9043-4), CS-5 (890-9043-5), CS-6 (890-9043-6), CS-7 (890-9043-7), CS-8 (890-9043-8) and CS-12 (890-9043-12). 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 880-123394 and analytical batch 880-123432 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.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-10 (890-9043-10). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-1 (890-9043-1). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9043-1
SDG: Eddy County, NM

Client Sample ID: CS-1

Lab Sample ID: 890-9043-1

Date Collected: 11/07/25 09:20

Matrix: Solid

Date Received: 11/07/25 15:08

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 F1	0.00200		mg/Kg		11/08/25 11:09	11/09/25 21:42	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		11/08/25 11:09	11/09/25 21:42	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		11/08/25 11:09	11/09/25 21:42	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		11/08/25 11:09	11/09/25 21:42	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		11/08/25 11:09	11/09/25 21:42	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		11/08/25 11:09	11/09/25 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	11/08/25 11:09	11/09/25 21:42	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/08/25 11:09	11/09/25 21:42	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			11/09/25 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/08/25 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 23:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 23:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/08/25 07:58	11/08/25 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	11/08/25 07:58	11/08/25 23:34	1
o-Terphenyl	90		70 - 130	11/08/25 07:58	11/08/25 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		9.96		mg/Kg			11/10/25 09:59	1

Client Sample ID: CS-2

Lab Sample ID: 890-9043-2

Date Collected: 11/07/25 09:25

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/09/25 22:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/09/25 22:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/09/25 22:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/25 11:09	11/09/25 22:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/09/25 22:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/25 11:09	11/09/25 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	11/08/25 11:09	11/09/25 22:02	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-2

Lab Sample ID: 890-9043-2

Date Collected: 11/07/25 09:25

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	118		70 - 130	11/08/25 11:09	11/09/25 22:02	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			11/09/25 22:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	148		50.1		mg/Kg			11/08/25 19:00	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		11/08/25 08:01	11/08/25 19:00	1
Diesel Range Organics (Over C10-C28)	57.4		50.1		mg/Kg		11/08/25 08:01	11/08/25 19:00	1
Oil Range Organics (Over C28-C36)	90.6		50.1		mg/Kg		11/08/25 08:01	11/08/25 19:00	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	78		70 - 130	11/08/25 08:01	11/08/25 19:00	1			
o-Terphenyl	95		70 - 130	11/08/25 08:01	11/08/25 19:00	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		9.92		mg/Kg			11/10/25 10:05	1

Client Sample ID: CS-3

Lab Sample ID: 890-9043-3

Date Collected: 11/07/25 09:30

Matrix: Solid

Date Received: 11/07/25 15:08

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		11/08/25 11:09	11/09/25 22:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/08/25 11:09	11/09/25 22:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/08/25 11:09	11/09/25 22:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/08/25 11:09	11/09/25 22:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/08/25 11:09	11/09/25 22:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/08/25 11:09	11/09/25 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	11/08/25 11:09	11/09/25 22:23	1
1,4-Difluorobenzene (Surr)	119		70 - 130	11/08/25 11:09	11/09/25 22:23	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			11/09/25 22:23	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-3

Lab Sample ID: 890-9043-3

Date Collected: 11/07/25 09:30

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.8		49.7		mg/Kg			11/08/25 19:15	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	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 19:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 19:15	1
Oil Range Organics (Over C28-C36)	61.8		49.7		mg/Kg		11/08/25 08:01	11/08/25 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/08/25 08:01	11/08/25 19:15	1
o-Terphenyl	103		70 - 130				11/08/25 08:01	11/08/25 19:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.3		9.96		mg/Kg			11/10/25 10:11	1

Client Sample ID: CS-4

Lab Sample ID: 890-9043-4

Date Collected: 11/07/25 09:35

Matrix: Solid

Date Received: 11/07/25 15:08

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		11/08/25 11:09	11/09/25 22:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/09/25 22:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/09/25 22:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/25 11:09	11/09/25 22:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/09/25 22:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/25 11:09	11/09/25 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				11/08/25 11:09	11/09/25 22:43	1
1,4-Difluorobenzene (Surr)	114		70 - 130				11/08/25 11:09	11/09/25 22:43	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			11/09/25 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/08/25 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 19:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 19:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 19:30	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-4

Lab Sample ID: 890-9043-4

Date Collected: 11/07/25 09:35

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	11/08/25 08:01	11/08/25 19:30	1
o-Terphenyl	99		70 - 130	11/08/25 08:01	11/08/25 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.4		9.98		mg/Kg			11/10/25 10:29	1

Client Sample ID: CS-5

Lab Sample ID: 890-9043-5

Date Collected: 11/07/25 09:40

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/09/25 23:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/09/25 23:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/09/25 23:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/25 11:09	11/09/25 23:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/09/25 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/25 11:09	11/09/25 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	11/08/25 11:09	11/09/25 23:04	1
1,4-Difluorobenzene (Surr)	110		70 - 130	11/08/25 11:09	11/09/25 23:04	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			11/09/25 23:04	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			11/08/25 19:44	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	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 19:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 19:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	11/08/25 08:01	11/08/25 19:44	1
o-Terphenyl	101		70 - 130	11/08/25 08:01	11/08/25 19:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.7		10.0		mg/Kg			11/10/25 10:34	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9043-1
SDG: Eddy County, NM

Client Sample ID: CS-6

Lab Sample ID: 890-9043-6

Date Collected: 11/07/25 09:45

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/09/25 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/09/25 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/09/25 23:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/08/25 11:09	11/09/25 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/09/25 23:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/08/25 11:09	11/09/25 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	11/08/25 11:09	11/09/25 23:24	1
1,4-Difluorobenzene (Surr)	118		70 - 130	11/08/25 11:09	11/09/25 23:24	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			11/09/25 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/08/25 20:00	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		11/08/25 08:01	11/08/25 20:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/08/25 08:01	11/08/25 20:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/08/25 08:01	11/08/25 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	11/08/25 08:01	11/08/25 20:00	1
o-Terphenyl	103		70 - 130	11/08/25 08:01	11/08/25 20:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.6		9.90		mg/Kg			11/10/25 10:40	1

Client Sample ID: CS-7

Lab Sample ID: 890-9043-7

Date Collected: 11/07/25 09:50

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/09/25 23:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/09/25 23:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/09/25 23:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/25 11:09	11/09/25 23:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/09/25 23:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/25 11:09	11/09/25 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	205	S1+	70 - 130	11/08/25 11:09	11/09/25 23:45	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-7

Lab Sample ID: 890-9043-7

Date Collected: 11/07/25 09:50

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130	11/08/25 11:09	11/09/25 23:45	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			11/09/25 23:45	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			11/08/25 20:14	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	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	11/08/25 08:01	11/08/25 20:14	1
o-Terphenyl	103		70 - 130	11/08/25 08:01	11/08/25 20:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.8		9.90		mg/Kg			11/10/25 10:46	1

Client Sample ID: CS-8

Lab Sample ID: 890-9043-8

Date Collected: 11/07/25 09:55

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/10/25 00:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/10/25 00:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/10/25 00:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/25 11:09	11/10/25 00:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/10/25 00:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/25 11:09	11/10/25 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130	11/08/25 11:09	11/10/25 00:05	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/08/25 11:09	11/10/25 00:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/25 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/08/25 20:29	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-8

Lab Sample ID: 890-9043-8

Date Collected: 11/07/25 09:55

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/08/25 08:01	11/08/25 20:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/08/25 08:01	11/08/25 20:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/08/25 08:01	11/08/25 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				11/08/25 08:01	11/08/25 20:29	1
o-Terphenyl	109		70 - 130				11/08/25 08:01	11/08/25 20:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.4		9.92		mg/Kg			11/10/25 10:52	1

Client Sample ID: CS-9

Lab Sample ID: 890-9043-9

Date Collected: 11/07/25 10:00

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 00:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 00:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 00:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/08/25 11:09	11/10/25 00:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 00:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/08/25 11:09	11/10/25 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				11/08/25 11:09	11/10/25 00:26	1
1,4-Difluorobenzene (Surr)	103		70 - 130				11/08/25 11:09	11/10/25 00:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/10/25 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/08/25 20:43	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	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 20:43	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 20:43	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				11/08/25 08:01	11/08/25 20:43	1
o-Terphenyl	113		70 - 130				11/08/25 08:01	11/08/25 20:43	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-9

Lab Sample ID: 890-9043-9

Date Collected: 11/07/25 10:00
 Date Received: 11/07/25 15:08
 Sample Depth: 1

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.2		9.94		mg/Kg			11/10/25 10:58	1

Client Sample ID: CS-10

Lab Sample ID: 890-9043-10

Date Collected: 11/07/25 10:05
 Date Received: 11/07/25 15:08
 Sample Depth: 1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/10/25 00:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/10/25 00:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/10/25 00:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/25 11:09	11/10/25 00:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/10/25 00:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/25 11:09	11/10/25 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				11/08/25 11:09	11/10/25 00:46	1
1,4-Difluorobenzene (Surr)	123		70 - 130				11/08/25 11:09	11/10/25 00:46	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			11/10/25 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/25 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 20:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 20:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	186	S1+	70 - 130				11/08/25 08:01	11/08/25 20:57	1
o-Terphenyl	213	S1+	70 - 130				11/08/25 08:01	11/08/25 20:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		9.98		mg/Kg			11/10/25 11:15	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9043-1
SDG: Eddy County, NM

Client Sample ID: CS-11

Lab Sample ID: 890-9043-11

Date Collected: 11/07/25 10:10

Matrix: Solid

Date Received: 11/07/25 15:08

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		11/08/25 11:09	11/10/25 02:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/08/25 11:09	11/10/25 02:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/08/25 11:09	11/10/25 02:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/08/25 11:09	11/10/25 02:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/08/25 11:09	11/10/25 02:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/08/25 11:09	11/10/25 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/08/25 11:09	11/10/25 02:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/08/25 11:09	11/10/25 02:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/10/25 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/08/25 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 21:25	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 21:25	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	11/08/25 08:01	11/08/25 21:25	1
o-Terphenyl	104		70 - 130	11/08/25 08:01	11/08/25 21:25	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			11/10/25 11:21	1

Client Sample ID: CS-12

Lab Sample ID: 890-9043-12

Date Collected: 11/07/25 10:15

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/10/25 02:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/10/25 02:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/10/25 02:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/08/25 11:09	11/10/25 02:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/08/25 11:09	11/10/25 02:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/08/25 11:09	11/10/25 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	358	S1+	70 - 130	11/08/25 11:09	11/10/25 02:57	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-12
Date Collected: 11/07/25 10:15
Date Received: 11/07/25 15:08
Sample Depth: 1

Lab Sample ID: 890-9043-12
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	11/08/25 11:09	11/10/25 02:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/25 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/08/25 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 21:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 21:41	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	11/08/25 08:01	11/08/25 21:41	1
o-Terphenyl	99		70 - 130	11/08/25 08:01	11/08/25 21:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		9.94		mg/Kg			11/10/25 11:39	1

Client Sample ID: CS-13
Date Collected: 11/07/25 10:20
Date Received: 11/07/25 15:08
Sample Depth: 1

Lab Sample ID: 890-9043-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 03:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 03:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 03:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/08/25 11:09	11/10/25 03:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 03:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/08/25 11:09	11/10/25 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/08/25 11:09	11/10/25 03:17	1
1,4-Difluorobenzene (Surr)	111		70 - 130	11/08/25 11:09	11/10/25 03:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/10/25 03:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/25 21:54	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-13
Date Collected: 11/07/25 10:20
Date Received: 11/07/25 15:08
Sample Depth: 1

Lab Sample ID: 890-9043-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 21:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 21:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 21:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				11/08/25 08:01	11/08/25 21:54	1
o-Terphenyl	101		70 - 130				11/08/25 08:01	11/08/25 21:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	314		9.96		mg/Kg			11/10/25 11:45	1

Client Sample ID: CS-14
Date Collected: 11/07/25 10:25
Date Received: 11/07/25 15:08
Sample Depth: 1

Lab Sample ID: 890-9043-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 03:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 03:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 03:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/08/25 11:09	11/10/25 03:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/10/25 03:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/08/25 11:09	11/10/25 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				11/08/25 11:09	11/10/25 03:38	1
1,4-Difluorobenzene (Surr)	114		70 - 130				11/08/25 11:09	11/10/25 03:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/10/25 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/08/25 22:10	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	<50.1	U	50.1		mg/Kg		11/08/25 08:01	11/08/25 22:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/08/25 08:01	11/08/25 22:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/08/25 08:01	11/08/25 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				11/08/25 08:01	11/08/25 22:10	1
o-Terphenyl	105		70 - 130				11/08/25 08:01	11/08/25 22:10	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-14
 Date Collected: 11/07/25 10:25
 Date Received: 11/07/25 15:08
 Sample Depth: 1

Lab Sample ID: 890-9043-14
 Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	276		10.0		mg/Kg			11/10/25 11:51	1

Client Sample ID: CS-15
 Date Collected: 11/07/25 10:30
 Date Received: 11/07/25 15:08
 Sample Depth: 1

Lab Sample ID: 890-9043-15
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/10/25 03:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/10/25 03:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/10/25 03:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/08/25 11:09	11/10/25 03:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/08/25 11:09	11/10/25 03:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/08/25 11:09	11/10/25 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				11/08/25 11:09	11/10/25 03:58	1
1,4-Difluorobenzene (Surr)	107		70 - 130				11/08/25 11:09	11/10/25 03:58	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			11/10/25 03:58	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			11/08/25 22:23	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	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 22:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 22:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/08/25 08:01	11/08/25 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/08/25 08:01	11/08/25 22:23	1
o-Terphenyl	106		70 - 130				11/08/25 08:01	11/08/25 22:23	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			11/10/25 11:56	1

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9043-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-9043-1	CS-1	74	77
890-9043-1 MS	CS-1	104	100
890-9043-1 MSD	CS-1	104	103
890-9043-2	CS-2	128	118
890-9043-3	CS-3	139 S1+	119
890-9043-4	CS-4	132 S1+	114
890-9043-5	CS-5	155 S1+	110
890-9043-6	CS-6	140 S1+	118
890-9043-7	CS-7	205 S1+	132 S1+
890-9043-8	CS-8	157 S1+	117
890-9043-9	CS-9	112	103
890-9043-10	CS-10	129	123
890-9043-11	CS-11	93	105
890-9043-12	CS-12	358 S1+	108
890-9043-13	CS-13	117	111
890-9043-14	CS-14	126	114
890-9043-15	CS-15	112	107
LCS 880-123394/1-A	Lab Control Sample	98	95
LCSD 880-123394/2-A	Lab Control Sample Dup	106	102
MB 880-123394/5-A	Method Blank	186 S1+	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-9043-1	CS-1	69 S1-	90
890-9043-2	CS-2	78	95
890-9043-3	CS-3	89	103
890-9043-4	CS-4	84	99
890-9043-5	CS-5	86	101
890-9043-6	CS-6	85	103
890-9043-7	CS-7	84	103
890-9043-8	CS-8	91	109
890-9043-9	CS-9	97	113
890-9043-10	CS-10	186 S1+	213 S1+
890-9043-11	CS-11	89	104
890-9043-12	CS-12	82	99
890-9043-13	CS-13	84	101
890-9043-14	CS-14	88	105
890-9043-15	CS-15	89	106
LCS 880-123383/2-A	Lab Control Sample	87	100
LCS 880-123384/2-A	Lab Control Sample	111	115
LCSD 880-123383/3-A	Lab Control Sample Dup	84	99
LCSD 880-123384/3-A	Lab Control Sample Dup	111	116

Eurofins Carlsbad

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9043-1
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-123383/1-A	Method Blank	77	100
MB 880-123384/1-A	Method Blank	102	116

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-123394/5-A
 Matrix: Solid
 Analysis Batch: 123432

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 123394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/09/25 21:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/09/25 21:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/09/25 21:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/08/25 11:09	11/09/25 21:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/08/25 11:09	11/09/25 21:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/08/25 11:09	11/09/25 21:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130	11/08/25 11:09	11/09/25 21:13	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/08/25 11:09	11/09/25 21:13	1

Lab Sample ID: LCS 880-123394/1-A
 Matrix: Solid
 Analysis Batch: 123432

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 123394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09539		mg/Kg		95	70 - 130
Toluene	0.100	0.09350		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2103		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1047		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-123394/2-A
 Matrix: Solid
 Analysis Batch: 123432

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 123394

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1077		mg/Kg		108	70 - 130	12	35
Toluene	0.100	0.09445		mg/Kg		94	70 - 130	1	35
Ethylbenzene	0.100	0.1107		mg/Kg		111	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2200		mg/Kg		110	70 - 130	5	35
o-Xylene	0.100	0.1114		mg/Kg		111	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-9043-1 MS
 Matrix: Solid
 Analysis Batch: 123432

Client Sample ID: CS-1
 Prep Type: Total/NA
 Prep Batch: 123394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.09375	F1	mg/Kg		-22	70 - 130
Toluene	<0.00200	U F1	0.100	0.08114	F1	mg/Kg		56	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

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

Lab Sample ID: 890-9043-1 MS
 Matrix: Solid
 Analysis Batch: 123432

Client Sample ID: CS-1
 Prep Type: Total/NA
 Prep Batch: 123394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.09001	F1	mg/Kg		-41	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1740	F1	mg/Kg		47	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.09472	F1	mg/Kg		-150	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-9043-1 MSD
 Matrix: Solid
 Analysis Batch: 123432

Client Sample ID: CS-1
 Prep Type: Total/NA
 Prep Batch: 123394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U F1	0.100	0.09418	F1	mg/Kg		-21	70 - 130	0	35
Toluene	<0.00200	U F1	0.100	0.08331	F1	mg/Kg		58	70 - 130	3	35
Ethylbenzene	<0.00200	U F1	0.100	0.09815	F1	mg/Kg		-33	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.2019	F1	mg/Kg		61	70 - 130	15	35
o-Xylene	<0.00200	U F1	0.100	0.1014	F1	mg/Kg		-144	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-123383/1-A
 Matrix: Solid
 Analysis Batch: 123390

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 123383

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		11/08/25 07:58	11/08/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/25 07:58	11/08/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/25 07:58	11/08/25 17:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	11/08/25 07:58	11/08/25 17:35	1
o-Terphenyl	100		70 - 130	11/08/25 07:58	11/08/25 17:35	1

Lab Sample ID: LCS 880-123383/2-A
 Matrix: Solid
 Analysis Batch: 123390

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 123383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	907.1		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	887.1		mg/Kg		89	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-123383/2-A
Matrix: Solid
Analysis Batch: 123390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123383

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	87		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-123383/3-A
Matrix: Solid
Analysis Batch: 123390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123383

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	873.6		mg/Kg		87	70 - 130	4		20
Diesel Range Organics (Over C10-C28)	1000	883.0		mg/Kg		88	70 - 130	0		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	84		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: MB 880-123384/1-A
Matrix: Solid
Analysis Batch: 123391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123384

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 17:35	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	102		70 - 130	11/08/25 08:01	11/08/25 17:35	1
o-Terphenyl	116		70 - 130	11/08/25 08:01	11/08/25 17:35	1

Lab Sample ID: LCS 880-123384/2-A
Matrix: Solid
Analysis Batch: 123391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123384

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1053		mg/Kg		105	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	111		70 - 130
o-Terphenyl	115		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-123384/3-A
 Matrix: Solid
 Analysis Batch: 123391

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 123384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1082		mg/Kg		108	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	116		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-123443/1-A
 Matrix: Solid
 Analysis Batch: 123450

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			11/10/25 09:18	1

Lab Sample ID: LCS 880-123443/2-A
 Matrix: Solid
 Analysis Batch: 123450

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.3		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-123443/3-A
 Matrix: Solid
 Analysis Batch: 123450

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	233.4		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 890-9043-9 MS
 Matrix: Solid
 Analysis Batch: 123450

Client Sample ID: CS-9
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	21.2		249	281.8		mg/Kg		105	90 - 110

Lab Sample ID: 890-9043-9 MSD
 Matrix: Solid
 Analysis Batch: 123450

Client Sample ID: CS-9
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	21.2		249	281.5		mg/Kg		105	90 - 110	0	20

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9043-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 123394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-1	CS-1	Total/NA	Solid	5035	
890-9043-2	CS-2	Total/NA	Solid	5035	
890-9043-3	CS-3	Total/NA	Solid	5035	
890-9043-4	CS-4	Total/NA	Solid	5035	
890-9043-5	CS-5	Total/NA	Solid	5035	
890-9043-6	CS-6	Total/NA	Solid	5035	
890-9043-7	CS-7	Total/NA	Solid	5035	
890-9043-8	CS-8	Total/NA	Solid	5035	
890-9043-9	CS-9	Total/NA	Solid	5035	
890-9043-10	CS-10	Total/NA	Solid	5035	
890-9043-11	CS-11	Total/NA	Solid	5035	
890-9043-12	CS-12	Total/NA	Solid	5035	
890-9043-13	CS-13	Total/NA	Solid	5035	
890-9043-14	CS-14	Total/NA	Solid	5035	
890-9043-15	CS-15	Total/NA	Solid	5035	
MB 880-123394/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-123394/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-123394/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9043-1 MS	CS-1	Total/NA	Solid	5035	
890-9043-1 MSD	CS-1	Total/NA	Solid	5035	

Analysis Batch: 123432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-1	CS-1	Total/NA	Solid	8021B	123394
890-9043-2	CS-2	Total/NA	Solid	8021B	123394
890-9043-3	CS-3	Total/NA	Solid	8021B	123394
890-9043-4	CS-4	Total/NA	Solid	8021B	123394
890-9043-5	CS-5	Total/NA	Solid	8021B	123394
890-9043-6	CS-6	Total/NA	Solid	8021B	123394
890-9043-7	CS-7	Total/NA	Solid	8021B	123394
890-9043-8	CS-8	Total/NA	Solid	8021B	123394
890-9043-9	CS-9	Total/NA	Solid	8021B	123394
890-9043-10	CS-10	Total/NA	Solid	8021B	123394
890-9043-11	CS-11	Total/NA	Solid	8021B	123394
890-9043-12	CS-12	Total/NA	Solid	8021B	123394
890-9043-13	CS-13	Total/NA	Solid	8021B	123394
890-9043-14	CS-14	Total/NA	Solid	8021B	123394
890-9043-15	CS-15	Total/NA	Solid	8021B	123394
MB 880-123394/5-A	Method Blank	Total/NA	Solid	8021B	123394
LCS 880-123394/1-A	Lab Control Sample	Total/NA	Solid	8021B	123394
LCSD 880-123394/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	123394
890-9043-1 MS	CS-1	Total/NA	Solid	8021B	123394
890-9043-1 MSD	CS-1	Total/NA	Solid	8021B	123394

Analysis Batch: 123529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-1	CS-1	Total/NA	Solid	Total BTEX	
890-9043-2	CS-2	Total/NA	Solid	Total BTEX	
890-9043-3	CS-3	Total/NA	Solid	Total BTEX	
890-9043-4	CS-4	Total/NA	Solid	Total BTEX	
890-9043-5	CS-5	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9043-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 123529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-6	CS-6	Total/NA	Solid	Total BTEX	
890-9043-7	CS-7	Total/NA	Solid	Total BTEX	
890-9043-8	CS-8	Total/NA	Solid	Total BTEX	
890-9043-9	CS-9	Total/NA	Solid	Total BTEX	
890-9043-10	CS-10	Total/NA	Solid	Total BTEX	
890-9043-11	CS-11	Total/NA	Solid	Total BTEX	
890-9043-12	CS-12	Total/NA	Solid	Total BTEX	
890-9043-13	CS-13	Total/NA	Solid	Total BTEX	
890-9043-14	CS-14	Total/NA	Solid	Total BTEX	
890-9043-15	CS-15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 123383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-1	CS-1	Total/NA	Solid	8015NM Prep	
MB 880-123383/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-123383/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-123383/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 123384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-2	CS-2	Total/NA	Solid	8015NM Prep	
890-9043-3	CS-3	Total/NA	Solid	8015NM Prep	
890-9043-4	CS-4	Total/NA	Solid	8015NM Prep	
890-9043-5	CS-5	Total/NA	Solid	8015NM Prep	
890-9043-6	CS-6	Total/NA	Solid	8015NM Prep	
890-9043-7	CS-7	Total/NA	Solid	8015NM Prep	
890-9043-8	CS-8	Total/NA	Solid	8015NM Prep	
890-9043-9	CS-9	Total/NA	Solid	8015NM Prep	
890-9043-10	CS-10	Total/NA	Solid	8015NM Prep	
890-9043-11	CS-11	Total/NA	Solid	8015NM Prep	
890-9043-12	CS-12	Total/NA	Solid	8015NM Prep	
890-9043-13	CS-13	Total/NA	Solid	8015NM Prep	
890-9043-14	CS-14	Total/NA	Solid	8015NM Prep	
890-9043-15	CS-15	Total/NA	Solid	8015NM Prep	
MB 880-123384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-123384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-123384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 123390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-1	CS-1	Total/NA	Solid	8015B NM	123383
MB 880-123383/1-A	Method Blank	Total/NA	Solid	8015B NM	123383
LCS 880-123383/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	123383
LCSD 880-123383/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	123383

Analysis Batch: 123391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-2	CS-2	Total/NA	Solid	8015B NM	123384
890-9043-3	CS-3	Total/NA	Solid	8015B NM	123384

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9043-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 123391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-4	CS-4	Total/NA	Solid	8015B NM	123384
890-9043-5	CS-5	Total/NA	Solid	8015B NM	123384
890-9043-6	CS-6	Total/NA	Solid	8015B NM	123384
890-9043-7	CS-7	Total/NA	Solid	8015B NM	123384
890-9043-8	CS-8	Total/NA	Solid	8015B NM	123384
890-9043-9	CS-9	Total/NA	Solid	8015B NM	123384
890-9043-10	CS-10	Total/NA	Solid	8015B NM	123384
890-9043-11	CS-11	Total/NA	Solid	8015B NM	123384
890-9043-12	CS-12	Total/NA	Solid	8015B NM	123384
890-9043-13	CS-13	Total/NA	Solid	8015B NM	123384
890-9043-14	CS-14	Total/NA	Solid	8015B NM	123384
890-9043-15	CS-15	Total/NA	Solid	8015B NM	123384
MB 880-123384/1-A	Method Blank	Total/NA	Solid	8015B NM	123384
LCS 880-123384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	123384
LCSD 880-123384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	123384

Analysis Batch: 123582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-1	CS-1	Total/NA	Solid	8015 NM	
890-9043-2	CS-2	Total/NA	Solid	8015 NM	
890-9043-3	CS-3	Total/NA	Solid	8015 NM	
890-9043-4	CS-4	Total/NA	Solid	8015 NM	
890-9043-5	CS-5	Total/NA	Solid	8015 NM	
890-9043-6	CS-6	Total/NA	Solid	8015 NM	
890-9043-7	CS-7	Total/NA	Solid	8015 NM	
890-9043-8	CS-8	Total/NA	Solid	8015 NM	
890-9043-9	CS-9	Total/NA	Solid	8015 NM	
890-9043-10	CS-10	Total/NA	Solid	8015 NM	
890-9043-11	CS-11	Total/NA	Solid	8015 NM	
890-9043-12	CS-12	Total/NA	Solid	8015 NM	
890-9043-13	CS-13	Total/NA	Solid	8015 NM	
890-9043-14	CS-14	Total/NA	Solid	8015 NM	
890-9043-15	CS-15	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 123443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-1	CS-1	Soluble	Solid	DI Leach	
890-9043-2	CS-2	Soluble	Solid	DI Leach	
890-9043-3	CS-3	Soluble	Solid	DI Leach	
890-9043-4	CS-4	Soluble	Solid	DI Leach	
890-9043-5	CS-5	Soluble	Solid	DI Leach	
890-9043-6	CS-6	Soluble	Solid	DI Leach	
890-9043-7	CS-7	Soluble	Solid	DI Leach	
890-9043-8	CS-8	Soluble	Solid	DI Leach	
890-9043-9	CS-9	Soluble	Solid	DI Leach	
890-9043-10	CS-10	Soluble	Solid	DI Leach	
890-9043-11	CS-11	Soluble	Solid	DI Leach	
890-9043-12	CS-12	Soluble	Solid	DI Leach	
890-9043-13	CS-13	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9043-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 123443 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-14	CS-14	Soluble	Solid	DI Leach	
890-9043-15	CS-15	Soluble	Solid	DI Leach	
MB 880-123443/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-123443/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123443/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9043-9 MS	CS-9	Soluble	Solid	DI Leach	
890-9043-9 MSD	CS-9	Soluble	Solid	DI Leach	

Analysis Batch: 123450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9043-1	CS-1	Soluble	Solid	300.0	123443
890-9043-2	CS-2	Soluble	Solid	300.0	123443
890-9043-3	CS-3	Soluble	Solid	300.0	123443
890-9043-4	CS-4	Soluble	Solid	300.0	123443
890-9043-5	CS-5	Soluble	Solid	300.0	123443
890-9043-6	CS-6	Soluble	Solid	300.0	123443
890-9043-7	CS-7	Soluble	Solid	300.0	123443
890-9043-8	CS-8	Soluble	Solid	300.0	123443
890-9043-9	CS-9	Soluble	Solid	300.0	123443
890-9043-10	CS-10	Soluble	Solid	300.0	123443
890-9043-11	CS-11	Soluble	Solid	300.0	123443
890-9043-12	CS-12	Soluble	Solid	300.0	123443
890-9043-13	CS-13	Soluble	Solid	300.0	123443
890-9043-14	CS-14	Soluble	Solid	300.0	123443
890-9043-15	CS-15	Soluble	Solid	300.0	123443
MB 880-123443/1-A	Method Blank	Soluble	Solid	300.0	123443
LCS 880-123443/2-A	Lab Control Sample	Soluble	Solid	300.0	123443
LCSD 880-123443/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123443
890-9043-9 MS	CS-9	Soluble	Solid	300.0	123443
890-9043-9 MSD	CS-9	Soluble	Solid	300.0	123443

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-1

Lab Sample ID: 890-9043-1

Date Collected: 11/07/25 09:20

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/09/25 21:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/09/25 21:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 23:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	123383	11/08/25 07:58	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123390	11/08/25 23:34	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 09:59	CS	EET MID

Client Sample ID: CS-2

Lab Sample ID: 890-9043-2

Date Collected: 11/07/25 09:25

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/09/25 22:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/09/25 22:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 19:00	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 19:00	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 10:05	CS	EET MID

Client Sample ID: CS-3

Lab Sample ID: 890-9043-3

Date Collected: 11/07/25 09:30

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/09/25 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/09/25 22:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 19:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 19:15	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 10:11	CS	EET MID

Client Sample ID: CS-4

Lab Sample ID: 890-9043-4

Date Collected: 11/07/25 09:35

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/09/25 22:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/09/25 22:43	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-4

Lab Sample ID: 890-9043-4

Date Collected: 11/07/25 09:35

Matrix: Solid

Date Received: 11/07/25 15:08

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			123582	11/08/25 19:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 19:30	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 10:29	CS	EET MID

Client Sample ID: CS-5

Lab Sample ID: 890-9043-5

Date Collected: 11/07/25 09:40

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/09/25 23:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/09/25 23:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 19:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 19:44	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 10:34	CS	EET MID

Client Sample ID: CS-6

Lab Sample ID: 890-9043-6

Date Collected: 11/07/25 09:45

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/09/25 23:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/09/25 23:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 20:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 20:00	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 10:40	CS	EET MID

Client Sample ID: CS-7

Lab Sample ID: 890-9043-7

Date Collected: 11/07/25 09:50

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/09/25 23:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/09/25 23:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 20:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 20:14	FC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-7

Lab Sample ID: 890-9043-7

Date Collected: 11/07/25 09:50

Matrix: Solid

Date Received: 11/07/25 15:08

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	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 10:46	CS	EET MID

Client Sample ID: CS-8

Lab Sample ID: 890-9043-8

Date Collected: 11/07/25 09:55

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/10/25 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/10/25 00:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 20:29	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 20:29	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 10:52	CS	EET MID

Client Sample ID: CS-9

Lab Sample ID: 890-9043-9

Date Collected: 11/07/25 10:00

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/10/25 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/10/25 00:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 20:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 20:43	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 10:58	CS	EET MID

Client Sample ID: CS-10

Lab Sample ID: 890-9043-10

Date Collected: 11/07/25 10:05

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/10/25 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/10/25 00:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 20:57	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 20:57	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 11:15	CS	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-11

Lab Sample ID: 890-9043-11

Date Collected: 11/07/25 10:10

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/10/25 02:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/10/25 02:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 21:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 21:25	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 11:21	CS	EET MID

Client Sample ID: CS-12

Lab Sample ID: 890-9043-12

Date Collected: 11/07/25 10:15

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/10/25 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/10/25 02:57	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 21:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 21:41	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 11:39	CS	EET MID

Client Sample ID: CS-13

Lab Sample ID: 890-9043-13

Date Collected: 11/07/25 10:20

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/10/25 03:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/10/25 03:17	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 21:54	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 21:54	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 11:45	CS	EET MID

Client Sample ID: CS-14

Lab Sample ID: 890-9043-14

Date Collected: 11/07/25 10:25

Matrix: Solid

Date Received: 11/07/25 15:08

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	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/10/25 03:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/10/25 03:38	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

Client Sample ID: CS-14
Date Collected: 11/07/25 10:25
Date Received: 11/07/25 15:08

Lab Sample ID: 890-9043-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			123582	11/08/25 22:10	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 22:10	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 11:51	CS	EET MID

Client Sample ID: CS-15
Date Collected: 11/07/25 10:30
Date Received: 11/07/25 15:08

Lab Sample ID: 890-9043-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	123394	11/08/25 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123432	11/10/25 03:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123529	11/10/25 03:58	SA	EET MID
Total/NA	Analysis	8015 NM		1			123582	11/08/25 22:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 22:23	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 11:56	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9043-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9043-1
 SDG: Eddy County, NM

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

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9043-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9043-1	CS-1	Solid	11/07/25 09:20	11/07/25 15:08	2
890-9043-2	CS-2	Solid	11/07/25 09:25	11/07/25 15:08	2
890-9043-3	CS-3	Solid	11/07/25 09:30	11/07/25 15:08	2
890-9043-4	CS-4	Solid	11/07/25 09:35	11/07/25 15:08	2
890-9043-5	CS-5	Solid	11/07/25 09:40	11/07/25 15:08	1
890-9043-6	CS-6	Solid	11/07/25 09:45	11/07/25 15:08	1
890-9043-7	CS-7	Solid	11/07/25 09:50	11/07/25 15:08	1
890-9043-8	CS-8	Solid	11/07/25 09:55	11/07/25 15:08	1
890-9043-9	CS-9	Solid	11/07/25 10:00	11/07/25 15:08	1
890-9043-10	CS-10	Solid	11/07/25 10:05	11/07/25 15:08	1
890-9043-11	CS-11	Solid	11/07/25 10:10	11/07/25 15:08	1
890-9043-12	CS-12	Solid	11/07/25 10:15	11/07/25 15:08	1
890-9043-13	CS-13	Solid	11/07/25 10:20	11/07/25 15:08	1
890-9043-14	CS-14	Solid	11/07/25 10:25	11/07/25 15:08	1
890-9043-15	CS-15	Solid	11/07/25 10:30	11/07/25 15:08	1

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



Environment Testing
Xenco

Chain of Custody

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



890-9043 Chain of Custody

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

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> RRd <input type="checkbox"/> Superfund
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level N <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	War Horse Federal Com	Turn Around	Pres. Code	ANALYSIS REQUEST		Preservative Codes
Project Number:	341	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		TPH -NM	Chloride-NM	DI Water: H ₂ O
Project Location:	Eddy County, NM	Due Date:	24 HR RUSH TAT	BTEX-NM	Hold	None: NO
Sampler's Name:	Santiago Giron & Michael Benini	TAT starts the day received by the lab, if received by 4:30pm		24 Hr Rush		Cool: Cool
CCWO #:						HCL: HC
SAMPLE RECEIPT	Temp Blank:	Yes/No	Yes/No			H ₂ SO ₄ : H ₂
Samples Received/Intact:	Yes/No	Thermometer ID:	711007			H ₂ PO ₄ : HP
Cooler Custody Seals:	Yes/No	Correction Factor:	0.8			NAHSO ₄ : NABIS
Sample Custody Seals:	Yes/No	Temperature Reading:				Na ₂ S ₂ O ₃ : NaSO ₃
Total Containers:		Corrected Temperature:	-0.6			Zn Acetate+NaOH: Zn
						NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/Comp # of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
CS-1	S	11.7.25	9:20	2	1	X	X	X	X		Incident Number NAPP2505739485
CS-2	S	11.7.25	9:25	2	1	X	X	X	X		
CS-3	S	11.7.25	9:30	2	1	X	X	X	X		
CS-4	S	11.7.25	9:35	2	1	X	X	X	X		
CS-5	S	11.7.25	9:40	1	1	X	X	X	X		
CS-6	S	11.7.25	9:45	1	1	X	X	X	X		
CS-7	S	11.7.25	9:50	1	1	X	X	X	X		
CS-8	S	11.7.25	9:55	1	1	X	X	X	X		
CS-9	S	11.7.25	10:00	1	1	X	X	X	X		

Total 200.7 / 6010 200.8 / 6020: BRCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag SiO₂ Na S H Sn U V Zn
Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Michael Winn</i>	<i>Adrian</i>	5:05 11/9/22			

Eurofins Carlsbad

1089 N Canal St
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)

Client Contact: N/A
Shipping/Receiving: N/A
Company: Eurofins Environment Testing South Cent

Sampler: N/A
Phone: N/A
E-Mail: Brianna_Teele@eurofins.com
Accreditations Required (See note): NELAP - Texas

Carrier/Tracking No(s): N/A
State of Origin: New Mexico

COC No: 890-6080-1
Page: Page 1 of 2
Job #: 890-9043-1

Address: 1211 W. Florida Ave.
City: Midland
State, Zip: TX, 79701
Phone: 432-704-5440(Tel)
Email: N/A
Project Name: War Horse Federal Com
Site: N/A

Due Date Requested: 11/10/2025
TAT Requested (days): N/A
PO #: N/A
WO #: N/A
Project #: 88002337
SSOW#: N/A

Analysis Requested

Preservation Codes:

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (Weaver, Solid, Over-sat, Br-Tissue, Anal)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_PreptPH 8015	8015MOD_Calc8015 Calc	300_ORGFM_28D/DI_LEACHChloride	8021B/5035FP_Calc(MOD) BTEX	Total_BTEX_GCV(MOD) Total BTEX	Total Number of containers	Special Instructions/Note:
CS-1 (890-9043-1)	11/7/25	09:20	G	Solid	X	X	X	X	X	X	X	1	
CS-2 (890-9043-2)	11/7/25	09:25	G	Solid	X	X	X	X	X	X	X	1	
CS-3 (890-9043-3)	11/7/25	09:30	G	Solid	X	X	X	X	X	X	X	1	
CS-4 (890-9043-4)	11/7/25	09:35	G	Solid	X	X	X	X	X	X	X	1	
CS-5 (890-9043-5)	11/7/25	09:40	G	Solid	X	X	X	X	X	X	X	1	
CS-6 (890-9043-6)	11/7/25	09:45	G	Solid	X	X	X	X	X	X	X	1	
CS-7 (890-9043-7)	11/7/25	09:50	G	Solid	X	X	X	X	X	X	X	1	
CS-8 (890-9043-8)	11/7/25	09:55	G	Solid	X	X	X	X	X	X	X	1	
CS-9 (890-9043-9)	11/7/25	10:00	G	Solid	X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontracted 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/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: [Signature] Date: 11/12/25 16:30 Company: [Signature] Date/Time: 11/10/25 5:01 PM Company: [Signature]

Relinquished by: [Signature] Date/Time: [Signature] Company: [Signature]

Custody Seals Intact: Δ Yes Δ No Custody Seal No.: [Signature] Cooler Temperature(s) °C and Other Remarks: [Signature]

Client Information (Sub Contract Lab)	Sampler: N/A
Client Contact: N/A	Lab P#: Teel, Brianna
Shipping/Receiving: N/A	E-Mail: Brianna.Teel@eurofins.com
Company: Eurofins Environment Testing South Cent	Accreditations Required (See note): NELAP - Texas
Address: 1211 W. Florida Ave.	State of Origin: New Mexico
City: Midland	Carrier Tracking No(s):
State, Zip: TX, 79701	
Phone: 432-704-5440(Tel)	PO #: N/A
Email: N/A	WVO #: N/A
Project Name: War Horse Federal Com	Project #: 88002337
Site: N/A	SSOW#: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=Other, A=Asphalt, B=Bitumen, Ana)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:
CS-10 (890-9043-10)	11/7/25	10:05	G	Solid	X	X	8015MOD_NM8015NM_S_PrepTPH 8015	X	
CS-11 (890-9043-11)	11/7/25	10:10	G	Solid	X	X	8015MOD_Calc8015 Calc	X	
CS-12 (890-9043-12)	11/7/25	10:15	G	Solid	X	X	300_ORGFM_28D/DI_LEACHChloride	X	
CS-13 (890-9043-13)	11/7/25	10:20	G	Solid	X	X	8021B/5035FP_Calc(MOD) BTEX	X	
CS-14 (890-9043-14)	11/7/25	10:25	G	Solid	X	X	Total_BTEX_GCV(MOD) Total BTEX	X	
CS-15 (890-9043-15)	11/7/25	10:30	G	Solid	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 subcontracted 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/shipment 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

Special Instructions/QC Requirements: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Empty Kit Relinquished by: _____	Date: 11/7/25	Time: 16:30	Company: _____	Received by: _____	Date/Time: 11/10/25	Company: _____
Relinquished by: _____	Date/Time: _____	Company: _____	Received by: _____	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: 890-9043-1
SDG Number: Eddy County, NM

Login Number: 9043
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9043-1
SDG Number: Eddy County, NM

Login Number: 9043
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 11/08/25 10:42 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	

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



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

Generated 11/10/2025 4:49:52 PM

JOB DESCRIPTION

War Horse Federal Com
 Eddy County, NM

JOB NUMBER

890-9044-1



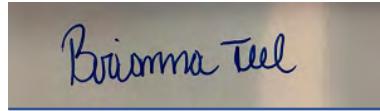
Eurofins Carlsbad

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
11/10/2025 4:49:52 PM

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

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

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Laboratory Job ID: 890-9044-1
SDG: Eddy County, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	23

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

Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9044-1
SDG: Eddy 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.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Earth Systems Response and Restoration
Project: War Horse Federal Com

Job ID: 890-9044-1

Job ID: 890-9044-1

Eurofins Carlsbad

Job Narrative 890-9044-1

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 11/7/2025 3:08 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 -0.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 1 (890-9044-1), SW - 2 (890-9044-2), SW - 3 (890-9044-3) and SW - 4 (890-9044-4).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-123431 and analytical batch 880-123441 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-123431 and analytical batch 880-123441 recovered outside control limits for the following analytes: Ethylbenzene.

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: SW - 1 (890-9044-1). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9044-1
SDG: Eddy County, NM

Client Sample ID: SW - 1

Date Collected: 11/07/25 09:00

Date Received: 11/07/25 15:08

Sample Depth: 0-2

Lab Sample ID: 890-9044-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/09/25 17:42	11/10/25 11:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/09/25 17:42	11/10/25 11:33	1
Ethylbenzene	<0.00201	U * - *1	0.00201		mg/Kg		11/09/25 17:42	11/10/25 11:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/09/25 17:42	11/10/25 11:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/09/25 17:42	11/10/25 11:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/09/25 17:42	11/10/25 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/09/25 17:42	11/10/25 11:33	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/09/25 17:42	11/10/25 11:33	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			11/10/25 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/08/25 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/08/25 08:01	11/08/25 22:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/08/25 08:01	11/08/25 22:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/08/25 08:01	11/08/25 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	192	S1+	70 - 130	11/08/25 08:01	11/08/25 22:38	1
o-Terphenyl	215	S1+	70 - 130	11/08/25 08:01	11/08/25 22:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.2		10.1		mg/Kg			11/10/25 12:02	1

Client Sample ID: SW - 2

Date Collected: 11/07/25 09:05

Date Received: 11/07/25 15:08

Sample Depth: 0-1

Lab Sample ID: 890-9044-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/09/25 17:42	11/10/25 11:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/09/25 17:42	11/10/25 11:53	1
Ethylbenzene	<0.00202	U * - *1	0.00202		mg/Kg		11/09/25 17:42	11/10/25 11:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/09/25 17:42	11/10/25 11:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/09/25 17:42	11/10/25 11:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/09/25 17:42	11/10/25 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	11/09/25 17:42	11/10/25 11:53	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9044-1
 SDG: Eddy County, NM

Client Sample ID: SW - 2
Date Collected: 11/07/25 09:05
Date Received: 11/07/25 15:08
Sample Depth: 0-1

Lab Sample ID: 890-9044-2
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107		70 - 130	11/09/25 17:42	11/10/25 11:53	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			11/10/25 11:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/08/25 22:52	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	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 22:52	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 22:52	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/08/25 08:01	11/08/25 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	11/08/25 08:01	11/08/25 22:52	1
o-Terphenyl	105		70 - 130	11/08/25 08:01	11/08/25 22:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		10.1		mg/Kg			11/10/25 12:08	1

Client Sample ID: SW - 3
Date Collected: 11/07/25 09:10
Date Received: 11/07/25 15:08
Sample Depth: 0-1

Lab Sample ID: 890-9044-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/09/25 17:42	11/10/25 12:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/09/25 17:42	11/10/25 12:14	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		11/09/25 17:42	11/10/25 12:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/09/25 17:42	11/10/25 12:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/09/25 17:42	11/10/25 12:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/09/25 17:42	11/10/25 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/09/25 17:42	11/10/25 12:14	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/09/25 17:42	11/10/25 12:14	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			11/10/25 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/08/25 23:06	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9044-1
SDG: Eddy County, NM

Client Sample ID: SW - 3

Lab Sample ID: 890-9044-3

Date Collected: 11/07/25 09:10

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 0-1

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		11/08/25 08:01	11/08/25 23:06	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/08/25 08:01	11/08/25 23:06	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/08/25 08:01	11/08/25 23:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				11/08/25 08:01	11/08/25 23:06	1
o-Terphenyl	103		70 - 130				11/08/25 08:01	11/08/25 23:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		9.98		mg/Kg			11/10/25 12:14	1

Client Sample ID: SW - 4

Lab Sample ID: 890-9044-4

Date Collected: 11/07/25 09:15

Matrix: Solid

Date Received: 11/07/25 15:08

Sample Depth: 0-1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/09/25 17:42	11/10/25 12:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/09/25 17:42	11/10/25 12:34	1
Ethylbenzene	<0.00199	U * - *1	0.00199		mg/Kg		11/09/25 17:42	11/10/25 12:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/09/25 17:42	11/10/25 12:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/09/25 17:42	11/10/25 12:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/09/25 17:42	11/10/25 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				11/09/25 17:42	11/10/25 12:34	1
1,4-Difluorobenzene (Surr)	101		70 - 130				11/09/25 17:42	11/10/25 12:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/25 12:34	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			11/08/25 23:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 23:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 23:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/08/25 08:01	11/08/25 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				11/08/25 08:01	11/08/25 23:20	1
o-Terphenyl	113		70 - 130				11/08/25 08:01	11/08/25 23:20	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9044-1
SDG: Eddy County, NM

Client Sample ID: SW - 4
Date Collected: 11/07/25 09:15
Date Received: 11/07/25 15:08
Sample Depth: 0-1

Lab Sample ID: 890-9044-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.4		9.96		mg/Kg			11/10/25 10:07	1

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

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9044-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-9044-1	SW - 1	108	94
890-9044-2	SW - 2	105	107
890-9044-3	SW - 3	103	108
890-9044-4	SW - 4	101	101
LCS 880-123431/1-A	Lab Control Sample	103	102
LCSD 880-123431/2-A	Lab Control Sample Dup	109	111
MB 880-123431/5-A	Method Blank	113	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-9044-1	SW - 1	192 S1+	215 S1+
890-9044-2	SW - 2	92	105
890-9044-3	SW - 3	87	103
890-9044-4	SW - 4	97	113
LCS 880-123384/2-A	Lab Control Sample	111	115
LCSD 880-123384/3-A	Lab Control Sample Dup	111	116
MB 880-123384/1-A	Method Blank	102	116

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9044-1
 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-123431/5-A
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/25 17:42	11/10/25 10:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/25 17:42	11/10/25 10:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/09/25 17:42	11/10/25 10:50	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/09/25 17:42	11/10/25 10:50	1

Lab Sample ID: LCS 880-123431/1-A
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1069		mg/Kg		107	70 - 130
Toluene	0.100	0.08852		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.06379	*-	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	0.200	0.1794		mg/Kg		90	70 - 130
o-Xylene	0.100	0.1180		mg/Kg		118	70 - 130

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

Lab Sample ID: LCSD 880-123431/2-A
 Matrix: Solid
 Analysis Batch: 123441

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 123431

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1024		mg/Kg		102	70 - 130	4	35
Toluene	0.100	0.09499		mg/Kg		95	70 - 130	7	35
Ethylbenzene	0.100	0.1067	*1	mg/Kg		107	70 - 130	50	35
m-Xylene & p-Xylene	0.200	0.2150		mg/Kg		107	70 - 130	18	35
o-Xylene	0.100	0.1101		mg/Kg		110	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9044-1
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-123384/1-A
 Matrix: Solid
 Analysis Batch: 123391

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 123384

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 17:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 17:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/25 08:01	11/08/25 17:35	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	102		70 - 130	11/08/25 08:01	11/08/25 17:35	1
o-Terphenyl	116		70 - 130	11/08/25 08:01	11/08/25 17:35	1

Lab Sample ID: LCS 880-123384/2-A
 Matrix: Solid
 Analysis Batch: 123391

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 123384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	111		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: LCSD 880-123384/3-A
 Matrix: Solid
 Analysis Batch: 123391

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 123384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130	5	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	111		70 - 130
o-Terphenyl	116		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-123445/1-A
 Matrix: Solid
 Analysis Batch: 123449

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<10.0	U	10.0		mg/Kg			11/10/25 09:15	1

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9044-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-123445/2-A
 Matrix: Solid
 Analysis Batch: 123449

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	225.4		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-123445/3-A
 Matrix: Solid
 Analysis Batch: 123449

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	230.6		mg/Kg		92	90 - 110	2	20

Lab Sample ID: MB 880-123443/1-A
 Matrix: Solid
 Analysis Batch: 123450

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			11/10/25 09:18	1

Lab Sample ID: LCS 880-123443/2-A
 Matrix: Solid
 Analysis Batch: 123450

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.3		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-123443/3-A
 Matrix: Solid
 Analysis Batch: 123450

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	233.4		mg/Kg		93	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9044-1
 SDG: Eddy County, NM

GC VOA

Prep Batch: 123431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-1	SW - 1	Total/NA	Solid	5035	
890-9044-2	SW - 2	Total/NA	Solid	5035	
890-9044-3	SW - 3	Total/NA	Solid	5035	
890-9044-4	SW - 4	Total/NA	Solid	5035	
MB 880-123431/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-123431/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-123431/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 123441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-1	SW - 1	Total/NA	Solid	8021B	123431
890-9044-2	SW - 2	Total/NA	Solid	8021B	123431
890-9044-3	SW - 3	Total/NA	Solid	8021B	123431
890-9044-4	SW - 4	Total/NA	Solid	8021B	123431
MB 880-123431/5-A	Method Blank	Total/NA	Solid	8021B	123431
LCS 880-123431/1-A	Lab Control Sample	Total/NA	Solid	8021B	123431
LCSD 880-123431/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	123431

Analysis Batch: 123555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-1	SW - 1	Total/NA	Solid	Total BTEX	
890-9044-2	SW - 2	Total/NA	Solid	Total BTEX	
890-9044-3	SW - 3	Total/NA	Solid	Total BTEX	
890-9044-4	SW - 4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 123384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-1	SW - 1	Total/NA	Solid	8015NM Prep	
890-9044-2	SW - 2	Total/NA	Solid	8015NM Prep	
890-9044-3	SW - 3	Total/NA	Solid	8015NM Prep	
890-9044-4	SW - 4	Total/NA	Solid	8015NM Prep	
MB 880-123384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-123384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-123384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 123391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-1	SW - 1	Total/NA	Solid	8015B NM	123384
890-9044-2	SW - 2	Total/NA	Solid	8015B NM	123384
890-9044-3	SW - 3	Total/NA	Solid	8015B NM	123384
890-9044-4	SW - 4	Total/NA	Solid	8015B NM	123384
MB 880-123384/1-A	Method Blank	Total/NA	Solid	8015B NM	123384
LCS 880-123384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	123384
LCSD 880-123384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	123384

Analysis Batch: 123598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-1	SW - 1	Total/NA	Solid	8015 NM	
890-9044-2	SW - 2	Total/NA	Solid	8015 NM	

Eurofins Carlsbad

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal ComJob ID: 890-9044-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 123598 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-3	SW - 3	Total/NA	Solid	8015 NM	
890-9044-4	SW - 4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 123443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-1	SW - 1	Soluble	Solid	DI Leach	
890-9044-2	SW - 2	Soluble	Solid	DI Leach	
890-9044-3	SW - 3	Soluble	Solid	DI Leach	
MB 880-123443/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-123443/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123443/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 123445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-4	SW - 4	Soluble	Solid	DI Leach	
MB 880-123445/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-123445/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-123445/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 123449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-4	SW - 4	Soluble	Solid	300.0	123445
MB 880-123445/1-A	Method Blank	Soluble	Solid	300.0	123445
LCS 880-123445/2-A	Lab Control Sample	Soluble	Solid	300.0	123445
LCSD 880-123445/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123445

Analysis Batch: 123450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9044-1	SW - 1	Soluble	Solid	300.0	123443
890-9044-2	SW - 2	Soluble	Solid	300.0	123443
890-9044-3	SW - 3	Soluble	Solid	300.0	123443
MB 880-123443/1-A	Method Blank	Soluble	Solid	300.0	123443
LCS 880-123443/2-A	Lab Control Sample	Soluble	Solid	300.0	123443
LCSD 880-123443/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	123443

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
 Project/Site: War Horse Federal Com

Job ID: 890-9044-1
 SDG: Eddy County, NM

Client Sample ID: SW - 1

Date Collected: 11/07/25 09:00

Date Received: 11/07/25 15:08

Lab Sample ID: 890-9044-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	123431	11/09/25 17:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123441	11/10/25 11:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123555	11/10/25 11:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			123598	11/08/25 22:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 22:38	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 12:02	CS	EET MID

Client Sample ID: SW - 2

Date Collected: 11/07/25 09:05

Date Received: 11/07/25 15:08

Lab Sample ID: 890-9044-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	123431	11/09/25 17:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123441	11/10/25 11:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123555	11/10/25 11:53	SA	EET MID
Total/NA	Analysis	8015 NM		1			123598	11/08/25 22:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 22:52	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 12:08	CS	EET MID

Client Sample ID: SW - 3

Date Collected: 11/07/25 09:10

Date Received: 11/07/25 15:08

Lab Sample ID: 890-9044-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	123431	11/09/25 17:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123441	11/10/25 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123555	11/10/25 12:14	SA	EET MID
Total/NA	Analysis	8015 NM		1			123598	11/08/25 23:06	SA	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 23:06	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	123443	11/10/25 07:45	SA	EET MID
Soluble	Analysis	300.0		1			123450	11/10/25 12:14	CS	EET MID

Client Sample ID: SW - 4

Date Collected: 11/07/25 09:15

Date Received: 11/07/25 15:08

Lab Sample ID: 890-9044-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	123431	11/09/25 17:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	123441	11/10/25 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			123555	11/10/25 12:34	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9044-1
SDG: Eddy County, NM

Client Sample ID: SW - 4
Date Collected: 11/07/25 09:15
Date Received: 11/07/25 15:08

Lab Sample ID: 890-9044-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			123598	11/08/25 23:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	123384	11/08/25 08:01	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	123391	11/08/25 23:20	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	123445	11/10/25 07:48	SA	EET MID
Soluble	Analysis	300.0		1			123449	11/10/25 10:07	CS	EET MID

Laboratory References:

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

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9044-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9044-1
SDG: Eddy County, NM

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

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: Earth Systems Response and Restoration
Project/Site: War Horse Federal Com

Job ID: 890-9044-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9044-1	SW - 1	Solid	11/07/25 09:00	11/07/25 15:08	0-2
890-9044-2	SW - 2	Solid	11/07/25 09:05	11/07/25 15:08	0-1
890-9044-3	SW - 3	Solid	11/07/25 09:10	11/07/25 15:08	0-1
890-9044-4	SW - 4	Solid	11/07/25 09:15	11/07/25 15:08	0-1

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



Environment Testing
Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page _____ of _____

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

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> RRQ <input type="checkbox"/> Superfund
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level N
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:



Project Name:	War Horse Federal Corn	Turn Around	Pres. Code	Parameters	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	Incident Number	
Project Number:	341	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			SW-1	S	11.7.25	9:00	0-2	Comp	1	X	X	X					nAPP2511554072
Project Location:	Eddy County, NM	Due Date:	24 hr Rush		SW-2	S	11.7.25	9:05	0-1	Comp	1	X	X	X					
Sampler's Name:	Santiago Giron & Michael Benini	TAT starts the day received by the lab, if received by 4:30pm			SW-3	S	11.7.25	9:10	0-1	Comp	1	X	X	X					
CCWO #:					SW-4	S	11.7.25	9:15	0-1	Comp	1	X	X	X					

Total 200.7 / 6010 200.8 / 6020: BRCRA 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 S Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Michael Benini</i>	<i>adp</i>	15.08.11.17			
0					
3					
5					

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)

Client Contact: N/A
Shipping/Receiving: N/A
Company: Eurofins Environment Testing South Centir

Lab Pk: Teel, Brianna
E-Mail: Brianna.Teel@et.eurofins.com

Carrier Tracking No(s): N/A
State of Origin: New Mexico

COG No: 890-6081-1
Page: Page 1 of 1

Address: 1211 W. Florida Ave.
City: Midland
State: TX, Zip: 79701

Phone: 432-704-5440(Tel)
Email: N/A

Due Date Requested: 11/10/2025
TAT Requested (days): N/A

Accreditations Required (See note): NELAP - Texas

Analysis Requested

Job #: 890-9044-1
Preservation Codes:

Project Name: WARR HORSE FEDERAL COM
Site: N/A
SSOW#: N/A

Field Filtered Sample (Yes or No)
Perform MS/MSD (Yes or No)

8015MOD_NM/8015NM_S_PrepTPH 8015
8015MOD_Calc8015 Calc
300_ORGFM_28D/DI_LEACHChloride
8021B/5035FP_Calc(MOD) BTEX
Total_BTEX_GCV(MOD) Total BTEX

Total Number of containers
Special Instructions/Note:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (Wet, Solid, Other)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note
SW - 1 (890-9044-1)	11/7/25	09:00	G	Solid		X	X		1	
SW - 2 (890-9044-2)	11/7/25	09:05	G	Solid		X	X		1	
SW - 3 (890-9044-3)	11/7/25	09:10	G	Solid		X	X		1	
SW - 4 (890-9044-4)	11/7/25	09:15	G	Solid		X	X		1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysts/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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Months

Empty Kit Relinquished/By: [Signature]

Relinquished by: [Signature] Date/Time: 11/12/16 3C

Received by: [Signature]

Method of Shipment

Date/Time: 11/10/25

Relinquished by: [Signature] Date/Time: [Signature]

Received by: [Signature]

Date/Time: [Signature]

Company

Relinquished by: [Signature] Date/Time: [Signature]

Received by: [Signature]

Date/Time: [Signature]

Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

5-949 -11/18

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9044-1
SDG Number: Eddy County, NM

Login Number: 9044
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	

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-9044-1
SDG Number: Eddy County, NM

Login Number: 9044
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 11/08/25 10:43 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	

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 555711

QUESTIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 555711
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511554072
Incident Name	NAPP2511554072 WAR HORSE FEDERAL COM #3H WELL PAD AND TANK BATTER @ I-21-18S-29E
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	War Horse Federal Com #3H Well Pad and Tank Batter
Date Release Discovered	04/24/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Treating Tower Crude Oil Released: 11 BBL Recovered: 10 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Treating Tower Produced Water Released: 11 BBL Recovered: 10 BBL Lost: 1 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)	Not answered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 555711

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 555711
	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	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	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	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 02/19/2026
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 555711

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 555711
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	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 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	5230
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	14400
GRO+DRO (EPA SW-846 Method 8015M)	14400
BTEX (EPA SW-846 Method 8021B or 8260B)	646
Benzene (EPA SW-846 Method 8021B or 8260B)	4.4

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

On what estimated date will the remediation commence	10/29/2025
On what date will (or did) the final sampling or liner inspection occur	11/07/2025
On what date will (or was) the remediation complete(d)	11/17/2025
What is the estimated surface area (in square feet) that will be reclaimed	1600
What is the estimated volume (in cubic yards) that will be reclaimed	80
What is the estimated surface area (in square feet) that will be remediated	3000
What is the estimated volume (in cubic yards) that will be remediated	180

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 555711

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 555711
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 02/19/2026
--	---

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.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 555711

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 555711
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 555711

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 555711
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	543556
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/19/2026
What was the (estimated) number of samples that were to be gathered	24
What was the sampling surface area in square feet	4849

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3000
What was the total volume (cubic yards) remediated	180
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	1600
What was the total volume (in cubic yards) reclaimed	80
Summarize any additional remediation activities not included by answers (above)	The site was remediated according to Site Closure Criteria and has been backfilled with clean, locally sourced material.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 02/19/2026
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 555711

QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 555711
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 555711

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 555711
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2511554072 War Horse Federal Com #3H Well Pad and Tank Battery, thank you. This Remediation Closure Report is approved.	2/24/2026