March 24, 2026

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

RE: **Johnston BE Battery 6" PVC line - Site Characterization & Remediation Plan**
Incident Number: NJMW1323539109
GPS: 32.68261°, -104.50022°
Eddy County, New Mexico
ESRR Project No. VP-6874

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of Kinetik Midstream (Kinetik), presents the following Site Characterization & Remediation Plan (SCRP) detailing subsequent soil sampling activities and a scope of work to address soil impacts associated with an inadvertent release of produced water at a former Agave Energy (Agave) location, the Johnston BE Battery 6" PVC line (Site). Kinetik proposes this SCRP, detailing remediation objectives to mitigate environmental impacts at the Site.

Site Location

The Site is located in Unit A, Section 08, Township 19 South, Range 25 East, in Eddy County, New Mexico (32.68261°, -104.50022°) and is associated with oil and gas exploration and production operations on Private Land (**Figure 1**).

Incident Description & History

On August 2, 2013, a leak developed on a tinhorn, causing a release of produced water within a pipeline right-of-way and onto adjacent native soils. Yates Petroleum (Yates) initially reported the release as a total of 1,100 barrels (bbls) with 1,040 bbls successfully recovered.

On August 5, 2013, Yates gave initial notice to the New Mexico Oil Conservation Division (NMOCD) via email and updated the volume released to 70 bbls with no fluid recovery.

On August 12, 2013, Yates filed a Corrective Action Form C-141 (Form C-141) with the NMOCD and was subsequently assigned incident number NJMW1323539109. Yates reported that initial spill response efforts were completed by installation of berms and by removal of affected soil during pipeline repairs.

On August 22, 2013, Yates determined Agave was responsible for the incident.

On April 12, 2016, a separate Yates incident (2RP-3650) occurred, overlapping a large portion of the area of concern (AOC) for incident NJMW1323539109 (**Figure 2**).

Following acquisition of Agave and in response to the NMOCD, Lucid Energy (Lucid) submitted a Closure Report to the NMOCD dated February 7, 2019 and detailed previously completed remediation work. The NMOCD rejected the closure report and stated the following:

> *"Closure denied. This release cannot be closed out under another release. A closure report is required for all releases and the closure report must be submitted under each individual incident number."*
>
> *"Submit a complete report through the OCD Permitting website by 8/22/2023."*
>
> *"2RP-1858 closed. Refer to incident #NJMW1323539109 in all future correspondence."*

Following the most recent acquisitions, Kinetik Midstream (Kinetik) assigned this incident to ESRR on June 23, 2025, to investigate work completed to date by previous operators and to complete additional sampling activities where necessary for closure of this incident.

Site Characterization

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

- Between ½ and 1 mile of any continuously flowing watercourse or any other significant watercourse;
- Between 1 and 5 miles of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- Between 1 and 5 miles of any occupied permanent residence, school, hospital, institution or church;
- Between ½ and 1 mile of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Between ½ and 1 mile of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between ½ and 1 mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- Between ½ and 1 mile of any unstable area (non-karst); and
- Between 1 and 5 miles of a 100-year floodplain.

Receptor details used to determine the Site characterization are included in **Figure 1A** and **Figure 1B**. **Referenced Well Data** is attached.

Depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs), based on the most recent measurement from a USGS monitoring well (USGS-324041104294801), 0.35 miles southeast of the Site. Based on the results from the desktop review and this release occurring before the December 1, 2024 update to the Karst Potential Occurrence Zones, the following Closure Criteria was applied:

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

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

TPH= Gasoline Range Organics + Diesel Range Organics + Oil Range Organics
Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

Delineation Activities

On August 1, 2025, ESRR conducted initial delineation activities to assess the presence or absence of residual soil impacts associated with the AOC just north of the previously approved remediation for incident (2RP-3650) (**Figure 2**). Eight delineation borings (HA-1 through HA-8) were advanced via hand auger within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab® test strips and volatile organic compounds by a calibrated Photo Ionization Detector (PID). A minimum of two soil samples were collected from each delineation boring, representing the highest observed field screening concentrations and the greatest depth. Delineation soil samples were placed directly into pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Eurofins in Carlsbad, New Mexico, for analysis of the COCs. **Photographic Documentation** of all activities are attached.

Laboratory analytical results for soil samples (HA-4 through HA-6) were compliant with the Site Closure Criteria and reclamation standard, helping define the horizontal periphery of the AOC.

On August 21, 2025, ESRR performed continued delineation of delineation soil sample locations (HA-1 through HA-3, and HA-7) via mechanical equipment with the addition of four sample locations (HA-9 through HA-12), to better define the vertical and horizontal periphery of the AOC. The additional delineation soil samples were collected, handled, transported, and analyzed as previously described.

Laboratory analytical results for delineation soil samples (HA-1 through HA-3, and HA-7), collected within and around the AOC, indicated chloride was above the reclamation standard within the top 4 feet bgs. Elevated chloride is characterized by concentrations ranging from 1,240 to 9,130 mg/kg.

Laboratory analytical results for soil samples (HA-9 through HA-12) were compliant with the Site Closure Criteria and reclamation standard, helping to further define the horizontal periphery of the AOC. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.

Proposed Remediation Plan

Based on the results from the most recent delineation soil sampling activities, Kinetik proposes the following remedial actions:

1. Kinetik proposes to remove the top 4 feet of impacted soils that are above the reclamation standard but below the Site Closure Criteria set forth in NMAC 19.15.29.13 regulations.
    i. Kinetik proposes to excavate soils associated with delineation soil sample locations (HA-1 through HA-3, and HA-7) to 4 feet bgs. (**Figure 3**).
    ii. Following the removal of impacted soil, five-point composite soil samples will be collected at a sampling frequency of 200 square feet from the excavation floor and sidewalls. Confirmation soil samples will be handled, labeled, and transported to an accredited lab in New Mexico, for analysis of COCs as previously described.

2. Kinetik anticipates 1,323 cubic yards of impacted soil to be excavated and removed from Site. Impacted soil will be transported to a nearby state-regulated landfill facility for disposal under Kinetik approved waste manifests. Once remediation activities are complete and receipt of final confirmation soil sample results are received, Kinetik will have the excavation backfilled with clean, locally sourced material and restored to "*as close to its original state*" as possible.

Proposed Schedule

Kinetik anticipates remediation and restoration activities to commence within 90 days of approval of this SCRP. Upon favorable laboratory analytical results of all confirmation soil samples, ESRR will complete a Corrective Action Report detailing excavation activities and subsequent soil sampling activities for incident number NJMW1323539109.

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

Sincerely,

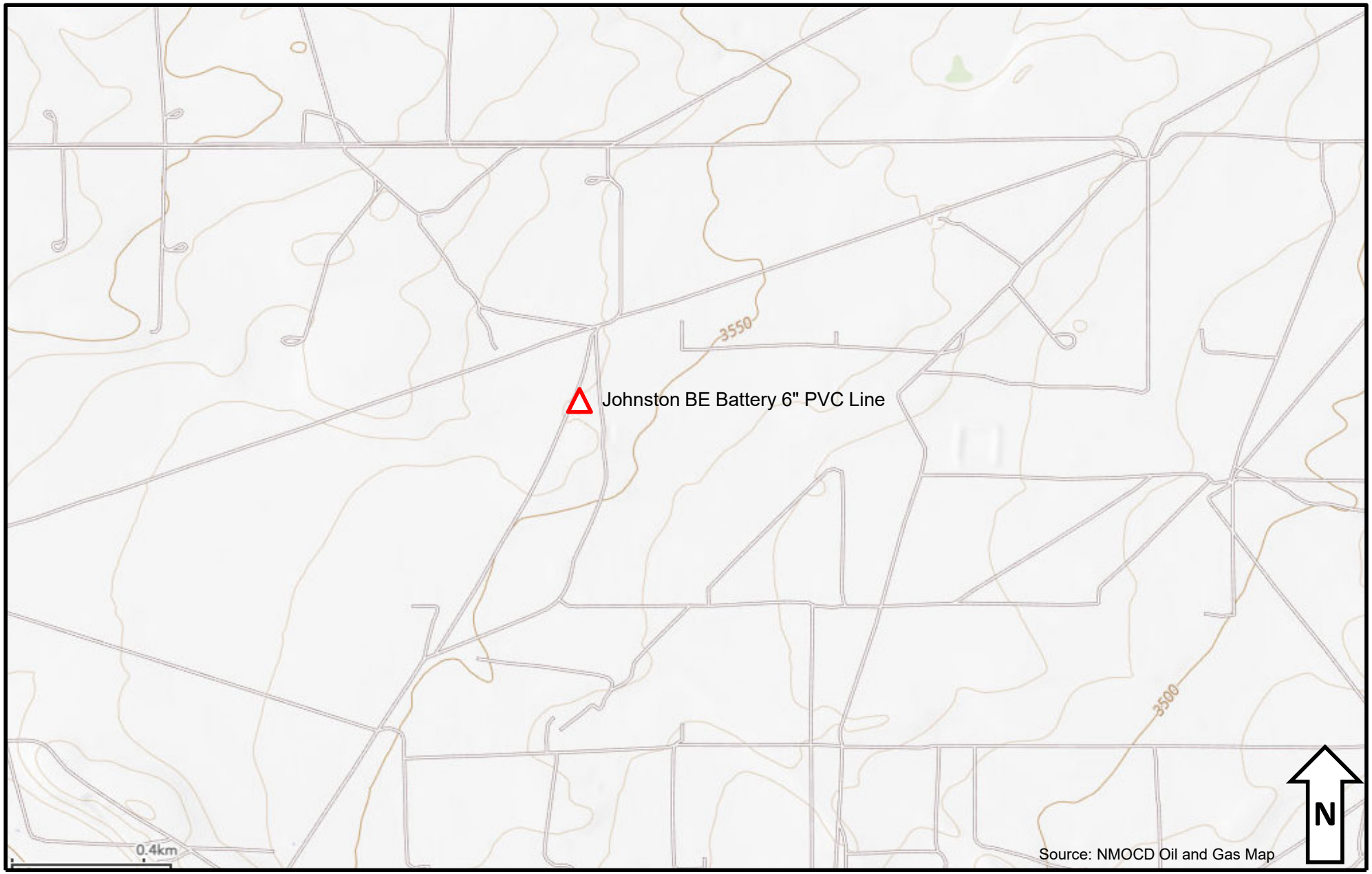
EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno
Carlsbad Operations Manager/ Project Geologist

Kris Williams, CHMM, REM
Principal

cc: Ivan Jimenez, Kinetik Midstream

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



Earth Systems
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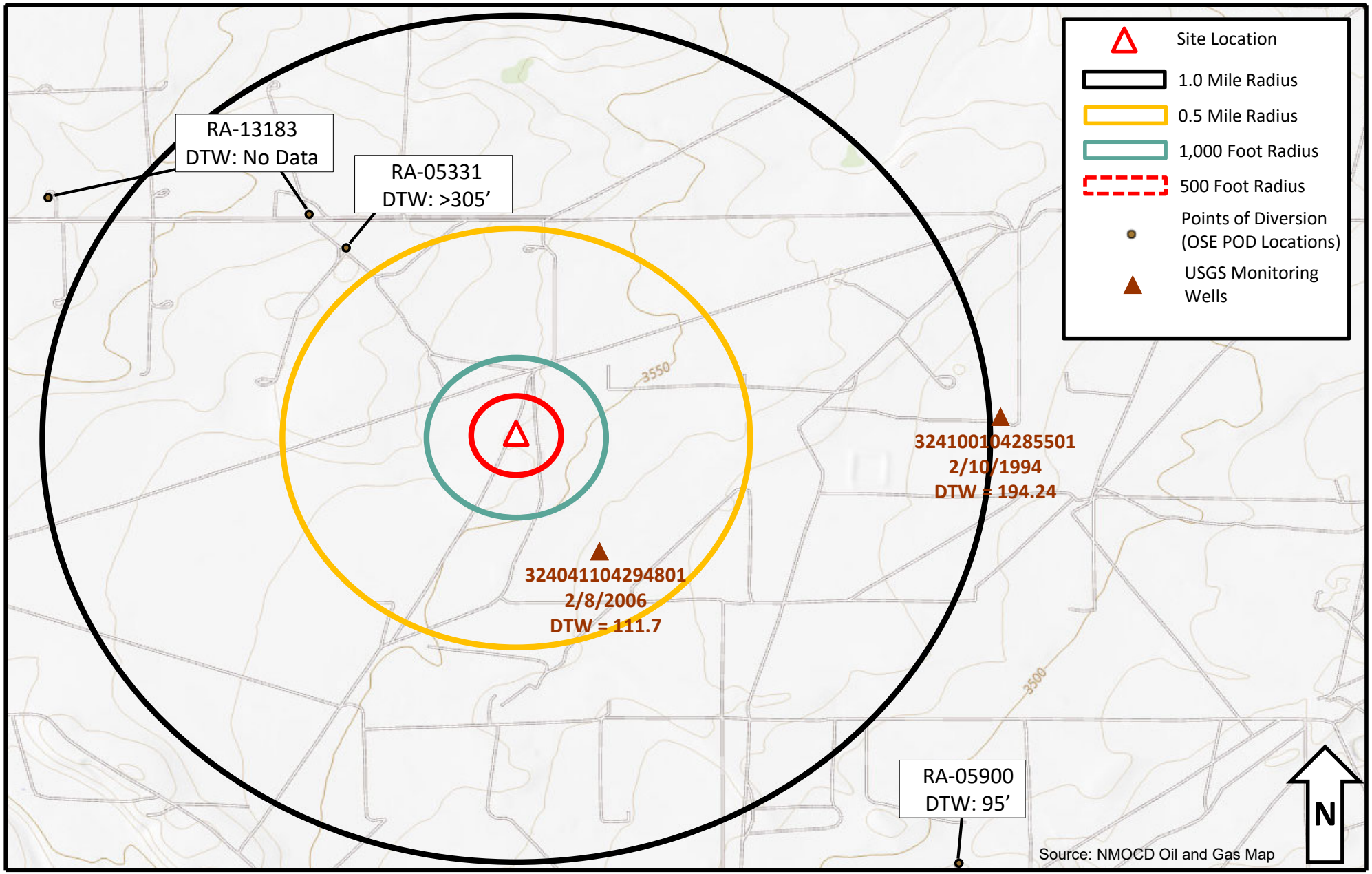
Figure 1 – Site Map

Kinetik Midstream – Johnston BE Battery 6" PVC Line
GPS: 32.68261°, -104.50022°
Eddy County, New Mexico

KINETIK

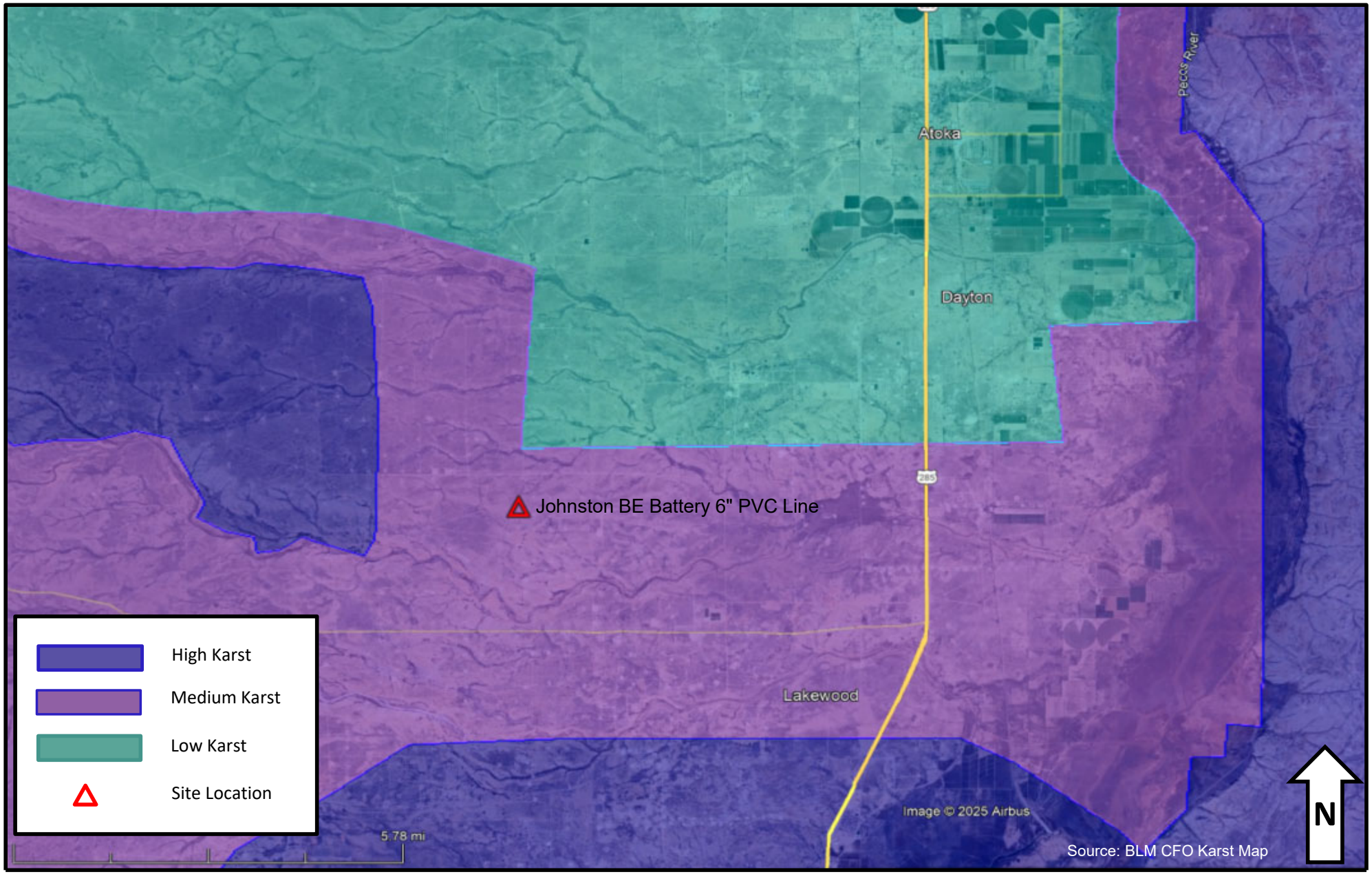


Earth Systems Response & Restoration

Figure 1A – Groundwater

Kinetik Midstream – Johnston BE Battery 6" PVC Line
GPS: 32.68261°, -104.50022°
Eddy County, New Mexico

KINETIK

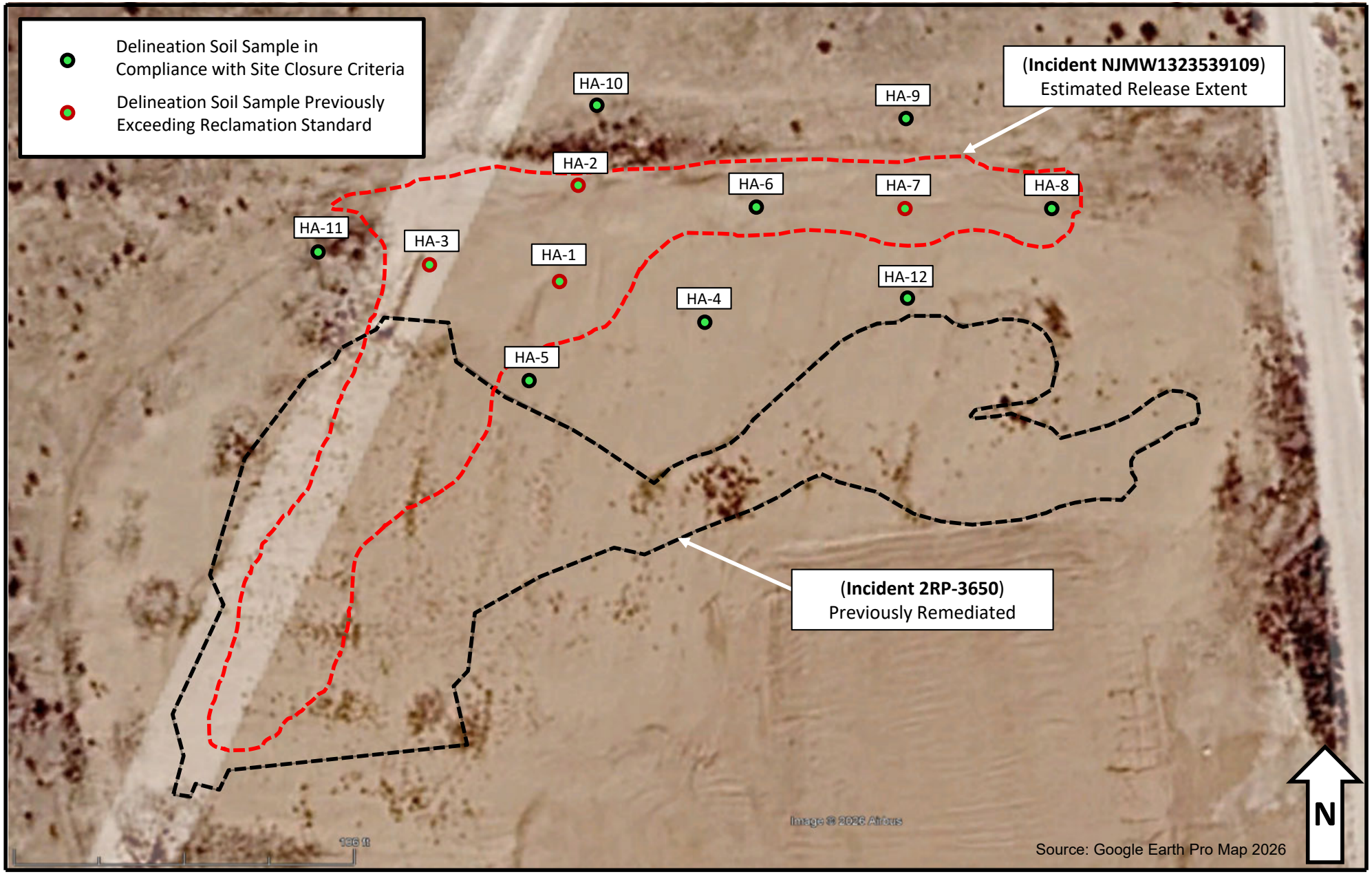


Earth Systems Response & Restoration

Figure 1B – Karst Potential

Kinetik Midstream – Johnston BE Battery 6" PVC Line
GPS: 32.68261°, -104.50022°
Eddy County, New Mexico

KINETIK

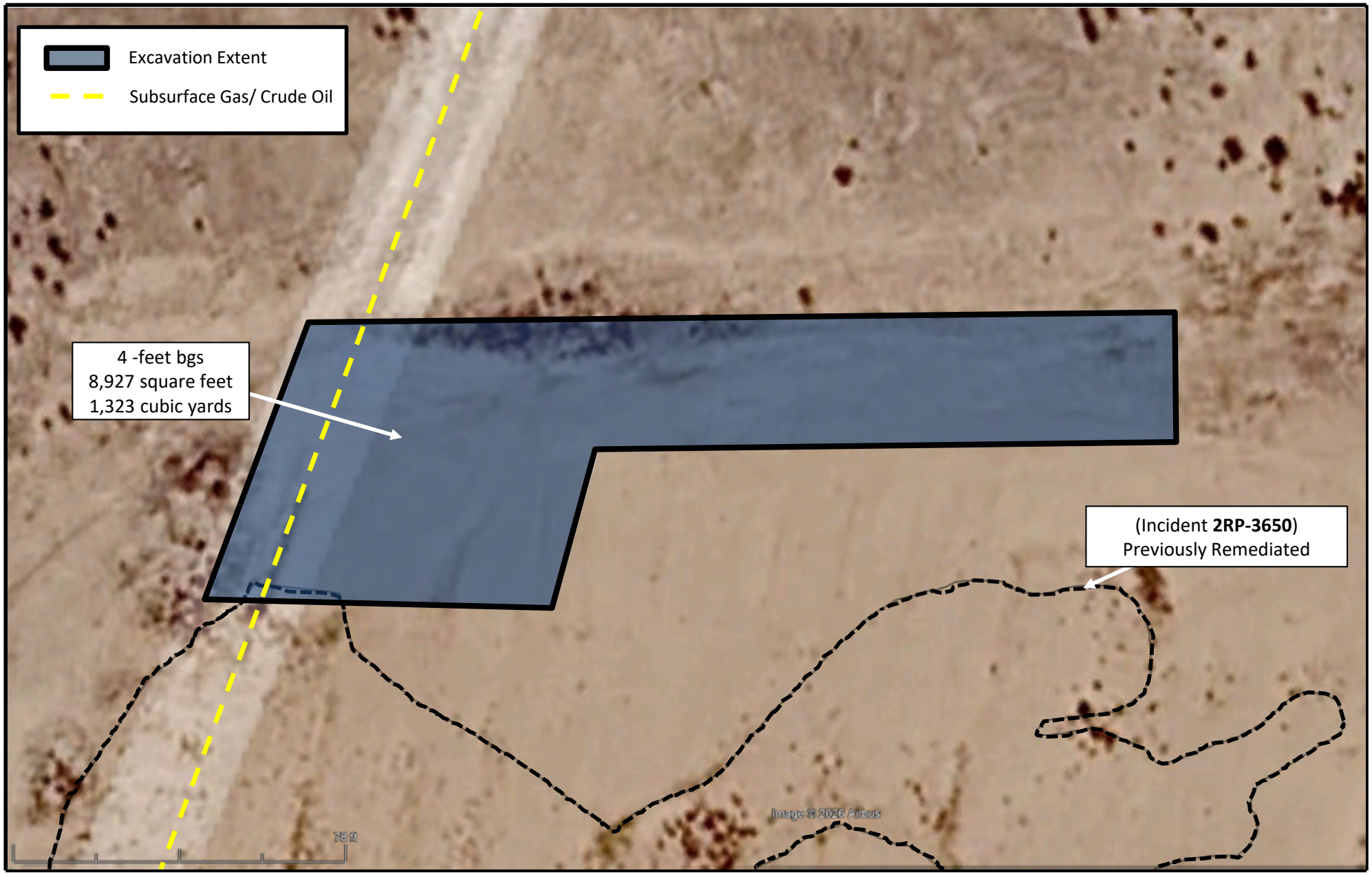


Earth Systems Response & Restoration

Figure 2 – Delineation Soil Sample Locations

Kinetik Midstream – Johnston BE Battery 6" PVC Line
GPS: 32.68261°, -104.50022°
Eddy County, New Mexico

KINETIK



Earth Systems
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Figure 3 – Proposed Excavation Extent

Kinetik Midstream – Johnston BE Battery 6" PVC Line
GPS: 32.68261°, -104.50022°
Eddy County, New Mexico

KINETIK

Monitoring location

19S.25E.08.42222 - USGS-324041104294801

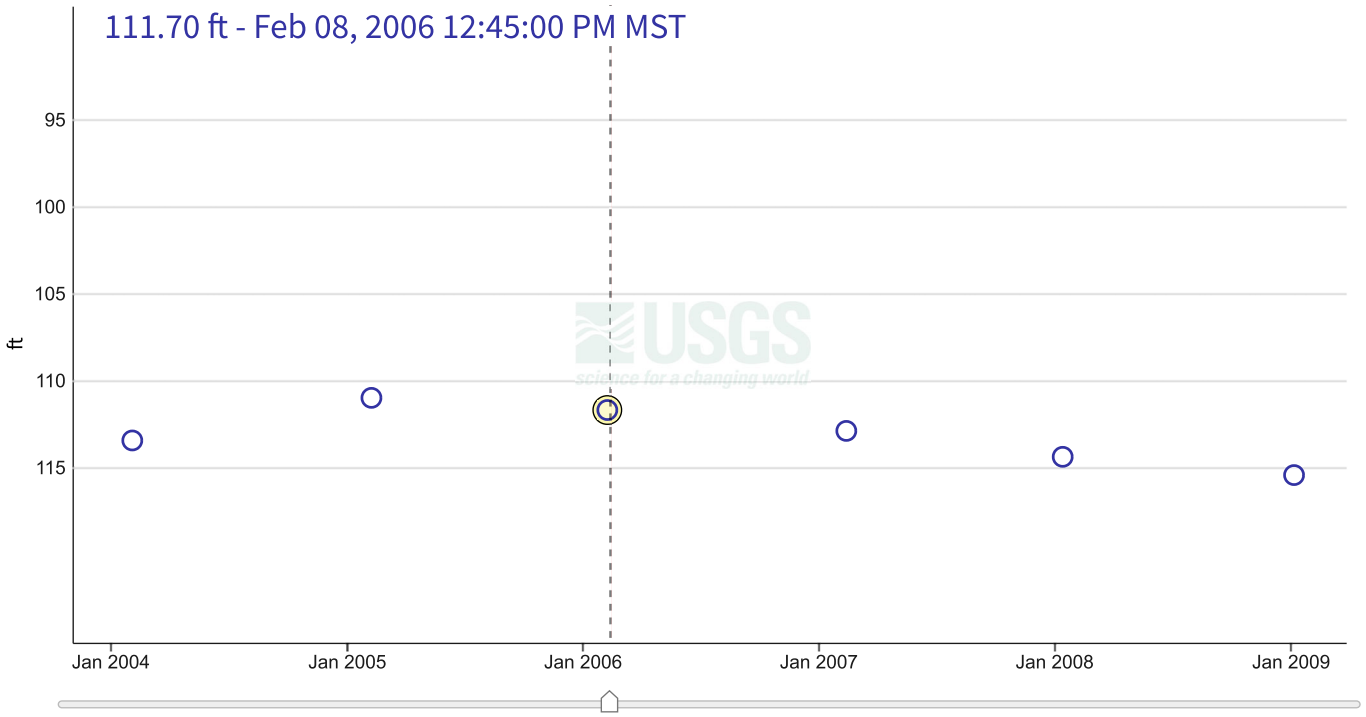
DID YOU KNOW You can see all water data collected at this monitoring location in the *Available data* section of the page. Learn more about centralized water data delivery in WDFN.

1 year 10 years Period of record Scale Linear Log

Field measurements

19S.25E.08.42222 - USGS-324041104294801

- using graph zoom -
January 4, 1955 - March 23, 2026
Depth to water level, feet below land surface



IMPORTANT Data may be provisional

Show legend

Hide graph details

	Value	Status	
Selected field measurement	111.70	Approved Static	Feb 08, 2006 12:45:00 PM MST

Questions or Comments

Hide graph details

Change time span

Download data

View data records

Select data to retrieve

- Field measurements
- About this location

Download

The requested data will be downloaded through the browser.
Selected data are in comma-separated values (csv).
Data are retrieved from USGS Water Data APIs.
If you are an R user, use the USGS dataRetrieval package to download, analyze and plot your data

Hide download data

Available data

Select data types to graph from categories based on the way the data were collected.

Learn about the data collection categories

Expand all data collections

Continuous data
0 data types available

Daily data
0 data types available

Field measurements
3 data types available - data from 1955-01-04 to 2012-01-05

Show these data types

Discrete sample data
0 observed properties (data types) available

Statistical tables for select daily data types
0 data types available

Location details and information

Show location details

Monitoring locations with continuous data in last 120 days

4 locations found

View these locations in My Favorites
Use Explore USGS Water Data to discover additional data near this location

Interested in understanding how to access the upstream/downstream data? Learn about the Network-Linked Data Index (NLDI)

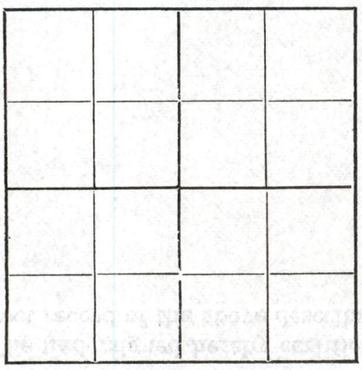
monitoring_location_id	observing_procedure	value	unit_of_measure	time
USGS-324041104294801	GW level, steel tape	119.85	ft	2012-01-05 17:35:00+00:00
USGS-324041104294801	GW level, steel tape	117.38	ft	2010-01-20 21:20:00+00:00
USGS-324041104294801	GW level, steel tape	115.44	ft	2009-01-06 20:30:00+00:00
USGS-324041104294801	GW level, steel tape	114.39	ft	2008-01-14 16:55:00+00:00
USGS-324041104294801	GW level, steel tape	112.9	ft	2007-02-13 18:30:00+00:00
USGS-324041104294801	GW level, steel tape	111.7	ft	2006-02-08 19:45:00+00:00
USGS-324041104294801	GW level, steel tape	111	ft	2005-02-08 15:50:00+00:00
USGS-324041104294801	GW level, steel tape	113.45	ft	2004-02-04 12:00:00+00:00
USGS-324041104294801	GW level, steel tape	111.28	ft	2003-01-25 12:00:00+00:00
USGS-324041104294801	GW level, steel tape	112.62	ft	1999-01-14 12:00:00+00:00
USGS-324041104294801	GW level, steel tape	109.37	ft	1994-02-21 12:00:00+00:00
USGS-324041104294801	GW level, steel tape	107.79	ft	1993-02-03 12:00:00+00:00
USGS-324041104294801	GW level, steel tape	107.41	ft	1992-02-05 12:00:00+00:00
USGS-324041104294801	GW level, steel tape	104.03	ft	1990-02-26 12:00:00+00:00
USGS-324041104294801	None	100.86	ft	1989-02-01 12:00:00+00:00
USGS-324041104294801	None	104.39	ft	1984-02-06 12:00:00+00:00
USGS-324041104294801	None	103.59	ft	1966-01-27 12:00:00+00:00
USGS-324041104294801	None	102.8	ft	1965-01-13 12:00:00+00:00
USGS-324041104294801	None	100.29	ft	1964-01-10 12:00:00+00:00
USGS-324041104294801	None	100.15	ft	1963-11-19 12:00:00+00:00
USGS-324041104294801	None	100.27	ft	1963-10-11 12:00:00+00:00
USGS-324041104294801	None	98.4	ft	1963-09-04 12:00:00+00:00
USGS-324041104294801	None	99.66	ft	1963-07-23 12:00:00+00:00
USGS-324041104294801	None	99.95	ft	1963-01-07 12:00:00+00:00
USGS-324041104294801	None	99.8	ft	1962-01-29 12:00:00+00:00
USGS-324041104294801	None	98.2	ft	1961-01-23 12:00:00+00:00
USGS-324041104294801	None	98.76	ft	1960-01-26 12:00:00+00:00
USGS-324041104294801	None	93.7	ft	1959-01-26 12:00:00+00:00
USGS-324041104294801	None	97.87	ft	1958-01-30 12:00:00+00:00
USGS-324041104294801	None	98.53	ft	1957-01-15 12:00:00+00:00
USGS-324041104294801	None	95.05	ft	1956-01-18 12:00:00+00:00
USGS-324041104294801	None	97.46	ft	1955-01-04 12:00:00+00:00

Form WR-23 STATE ENGINEER OFFICE

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well Yates Petroleum Corporation
Street and Number 309 Carper Building
City Artesia, State New Mexico.
Well was drilled under Permit No. RA-5331 and is located in the
NW ¼ NW ¼ SE ¼ of Section 5 Twp. 19 s Rge. 25 E
(B) Drilling Contractor Floyd M. Osbourn License No. wd-353
Street and Number 1811 Hermosa Dr.
City Artesia, State New Mexico.
Drilling was commenced 4-5 19 ~~66~~ 67
Drilling was completed 4-13 19 67

Elevation at top of casing in feet above sea level ____ Total depth of well 460 ft.
State whether well is shallow or artesian Shallow Depth to water upon completion 305 ft.

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	328	364	36	Broken Sandy Limestone
2	398	440	42	No Cuttings
3				
4				
5				

STATE ENGINEER OFFICE SANTA FE, N.M. 1967 MAY 1 PM 9:55

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
7"o d	20	10 v	1	460	461	collar	330	360
							400	440

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
None					

Section 5 PLUGGING RECORD

Name of Plugging Contractor ____ License No. ____
Street and Number ____ City ____ State ____
Tons of Clay used ____ Tons of Roughage used ____ Type of roughage ____
Plugging method used ____ Date Plugged ____ 19 ____
Plugging approved by: Cement Plugs were placed as follows:

Basin Supervisor

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received 1967 APR 17 AM 8:28 STATE ENGINEER OFFICE ROSWELL, N. MEX.

File No. RA-5331 Use O.W.D. Location No. 19.25.5.411

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	1	1	Brown	Soil
1	20	19	Gray	Shelf Rock
20	50	30	White	Clachie
50	200	150	Red	Clay & Sand
200	225	25	yellow	Sand
225	260	35	Red	Shale
260	280	20	Pink	Shale
280	328	48	Gray	Limestone
328	364	36	No sample water	
364	380	16	Gray Blue	Clay
380	398	18	Gray limestone	limestone
398	440	42	No Cuttings	Water
440	445	5	Red	Shale
445	460	15	Yellow	Clay
T.D.460	ft.			

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Floyd W. Osburn
Well Driller

Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Johnston BE Battery 6" PVC Line
Eddy County, New Mexico

KINETIK

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - NJMW1323539109										
HA - 1‡	08/01/25	0.5	<0.00198	<0.00397	<49.9	81.2	<49.9	81.2	81.2	**9,130**
HA - 1	08/01/25	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	4,620
HA - 1	08/21/25	6	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	4,360
HA - 1	08/21/25	8	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	2,430
HA - 1	08/21/25	12	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	831
HA - 2‡	08/01/25	0.5	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	**4,570**
HA - 2‡	08/01/25	3	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	**2,330**
HA - 2	08/21/25	6	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	1,260
HA - 2	08/21/25	8	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	393
HA - 3‡	08/01/25	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	**5,930**
HA - 3	08/01/25	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	2,600
HA - 3	08/21/25	6	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	1,720
HA - 3	08/21/25	8	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	921
HA - 3	08/21/25	10	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	276
HA - 4	08/01/25	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	32.4
HA - 4	08/01/25	4	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	268
HA - 5	08/01/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	39.6
HA - 5	08/01/25	4	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	69.3
HA - 6	08/01/25	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	290
HA - 6	08/01/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	1,320
HA - 6	08/21/25	6	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	514
HA - 6	08/21/25	8	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	327
HA - 7	08/01/25	0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	168
HA - 7‡	08/01/25	3	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**1,240**
HA - 7	08/01/25	4	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	1,320
HA - 7	08/21/25	6	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	1,870
HA - 7	08/21/25	8	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	617
HA - 7	08/21/25	10	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	260

Earth Systems
Response & Restoration

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Johnston BE Battery 6" PVC Line
Eddy County, New Mexico

KINETIK

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO + GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - NJMW1323539109										
HA - 8	08/01/25	0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	<9.96
HA - 8	08/01/25	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	562
HA - 9	08/21/25	0.5	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	<10.1
HA - 9	08/21/25	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	135
HA - 10	08/21/25	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	<9.96
HA - 10	08/21/25	4	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	16.3
HA - 11	08/21/25	0.5	<0.00202	<0.00404	<49.6	<49.6	<49.6	<49.6	<49.6	<10.0
HA - 11	08/21/25	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<9.96
HA - 12	08/21/25	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	12.6
HA - 12	08/21/25	4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	67.1

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.

Johnston BE Battery 6" PVC line - Site Characterization & Remediation Plan
Incident Number: NJMW1323539109
32.68261°, -104.50022°

PHOTO 1: Southeastern view during initial site assessment activities. 7/29/2025

PHOTO 2: Northwestern view during initial site assessment activities. 7/29/2025

Johnston BE Battery 6" PVC line - Site Characterization & Remediation Plan
Incident Number: NJMW1323539109
32.68261°, -104.50022°

PHOTO 3: Northern view during initial delineation activities. 8/01/2025

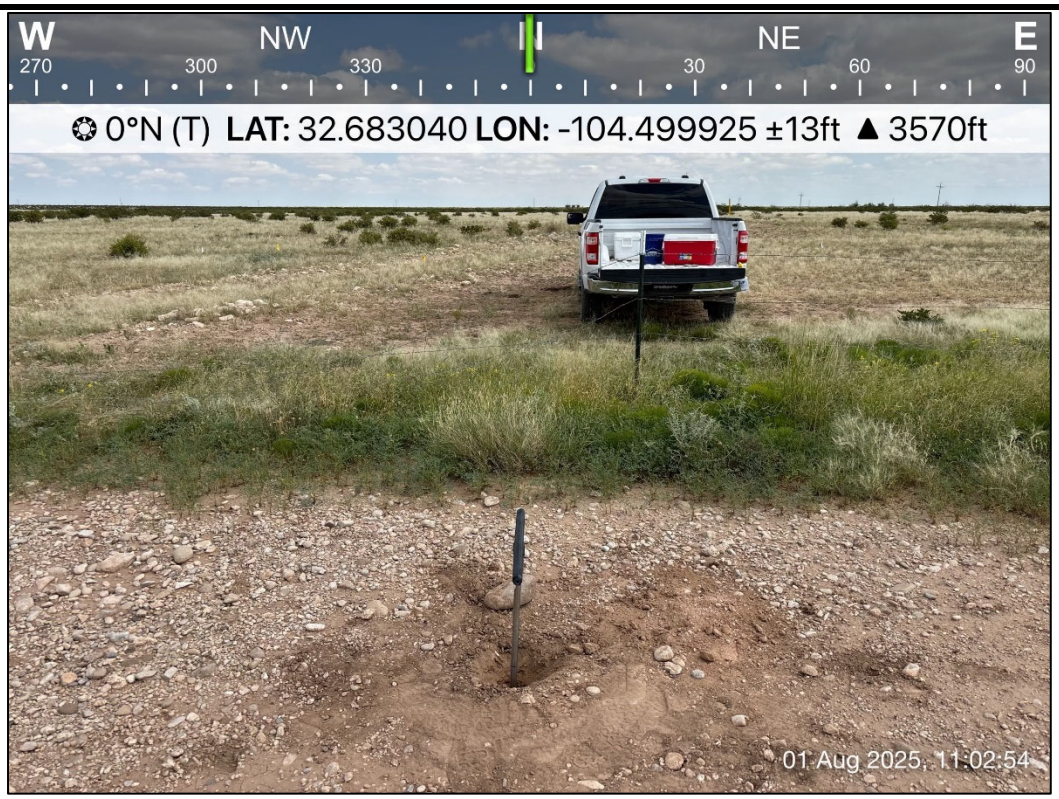


PHOTO 4: Northern view during initial delineation activities. 8/01/2025

Johnston BE Battery 6" PVC line - Site Characterization & Remediation Plan
Incident Number: NJMW1323539109
32.68261°, -104.50022°

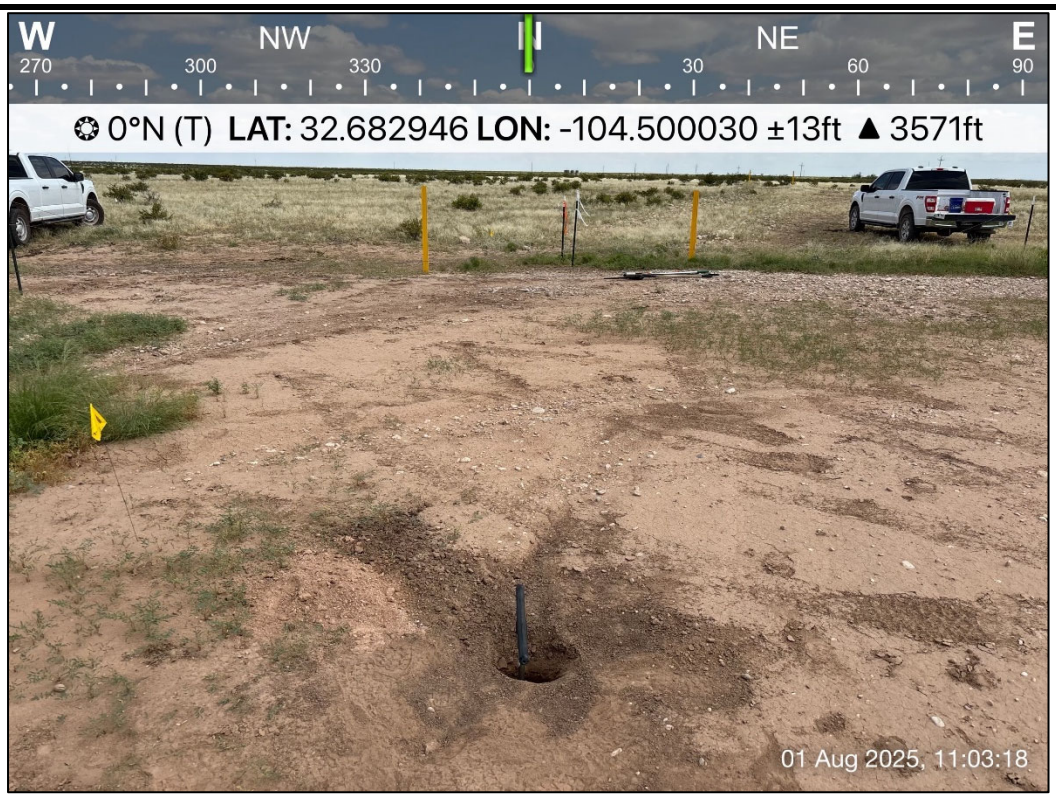


PHOTO 5: Northern view during initial delineation activities. 8/01/2025

PHOTO 6: Southeastern view during additional delineation activities. 8/21/2025

Johnston BE Battery 6" PVC line - Site Characterization & Remediation Plan
Incident Number: NJMW1323539109
32.68261°, -104.50022°

PHOTO 7: Southeastern view during additional delineation activities. 8/21/2025

PHOTO 8: Southwestern view during additional delineation activities. 8/21/2025

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 496993

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 496993
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nJMW1323539109**
Incident Name	**NJMW1323539109 2013 MAJOR A GAS @ 0**
Incident Type	**Natural Gas Release**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fJMW1323538962] Johnston BE Battery 6" PVC line**

Location of Release Source	
Site Name	*Unavailable.*
Date Release Discovered	**08/02/2013**
Surface Owner	*Unavailable.*

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	10,000
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2025
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	32.68261,-104.50022

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

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 496993
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
sorozco	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/19/2025
sorozco	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/19/2025

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
AUG 15 2013
NMOCD ARTESIA

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nJMW 1323539109

OPERATOR

X Initial Report ☐ Final Report

Name of Company Yates Petroleum/Agave Energy 14783	Contact Austin Weyant
Address 105 South 4th Street Artesia, NM	Telephone No. 575 513-8988
Facility Name Johnston BE Battery 6" PVC line	Facility Type Battery and Gas Right Of Way

Surface Owner	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	9	19S	25E					EDDY

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 1100	Volume Recovered 1040
Source of Release 6" PVC gas line	Date and Hour of Occurrence 8/2/13 12:30 pm	Date and Hour of Discovery 8/2/13 1:00pm
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Randy Dade	
By Whom? Bob Asher	Date and Hour 8/2/13 2:30pm	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Rancher found leak and called YPC. Vacuum Trucks were called in and the area was sealed off. A Dirt work Contractor was sent to the location to berm up and remove affected soil. The line took about 13 hours to patch.

Describe Area Affected and Cleanup Action Taken.*
Line was shut in and replaced. Affected soil has been taken to CRI. Area has been fenced in to protect livestock. Samples taken and sent to third party lab for BTEX, TPH and Cl- analysis.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Austin Weyant

Printed Name: Austin Weyant

Title: Eng Tech

E-mail Address: aweyant@yatespetroleum.com

Date: 8/15/13 Phone: 575 513-8988

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Signed By Mike Bratcher

Approval Date: AUG 23 2013

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary

fJMW 1323538962

2RP-1858

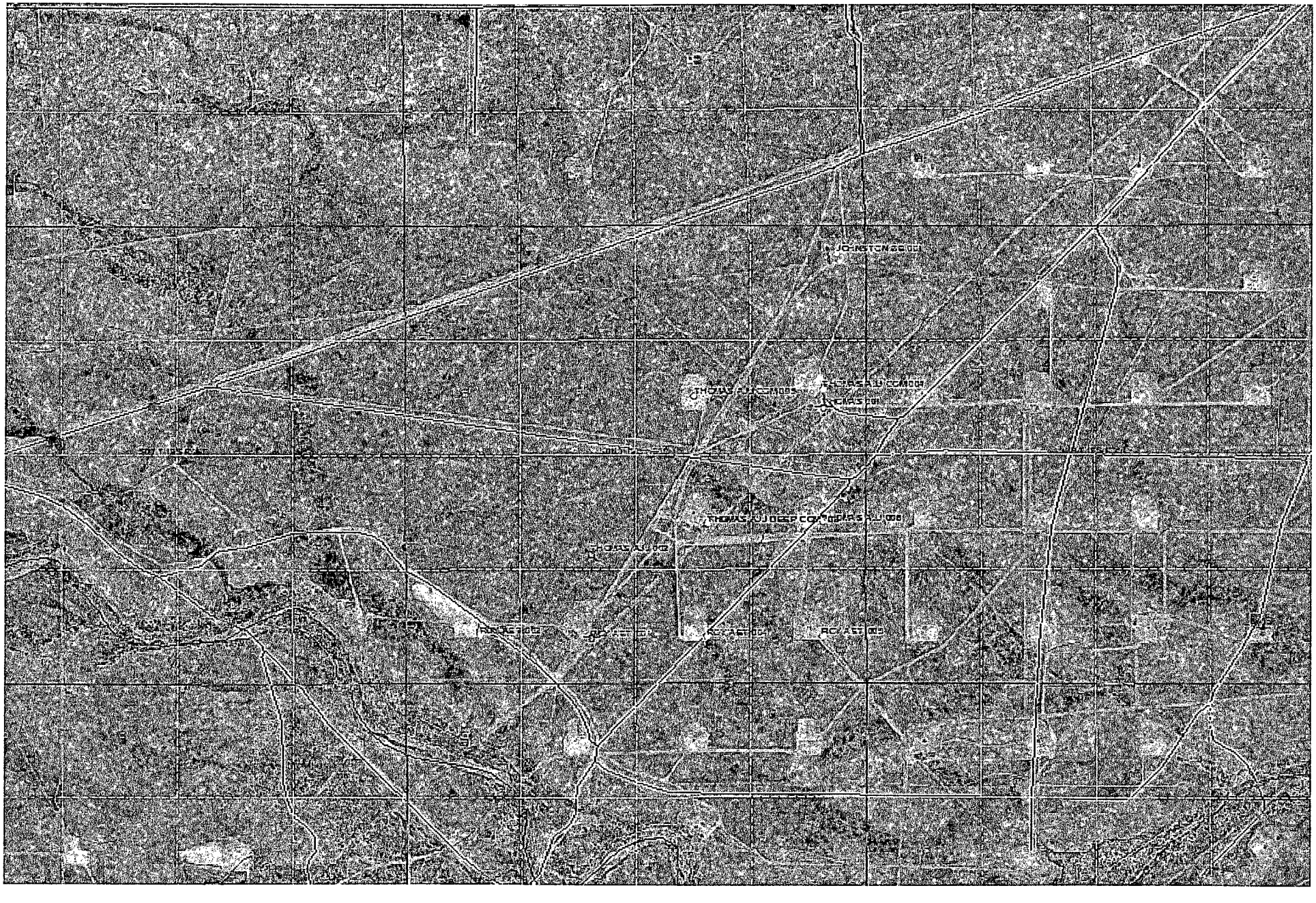

THOMAS AJJ &
JOHNSTON BE BTTRY.
NENE SEC.8-T19S-R25E
CA: NM85319
EDDY CO., NM 30-015-26824
08.05.2013 10:03

Warren, JeanMarie, EMNRD

From: Austin Weyant <AWeyant@yatespetroleum.com>
Sent: Thursday, August 15, 2013 11:33 AM
To: Bratcher, Mike, EMNRD
Cc: Warren, JeanMarie, EMNRD
Subject: Johnson BE Battery #1 (6"PVC) spill

Lat : 32.68261
Long: -104.50022

8-19s-25e



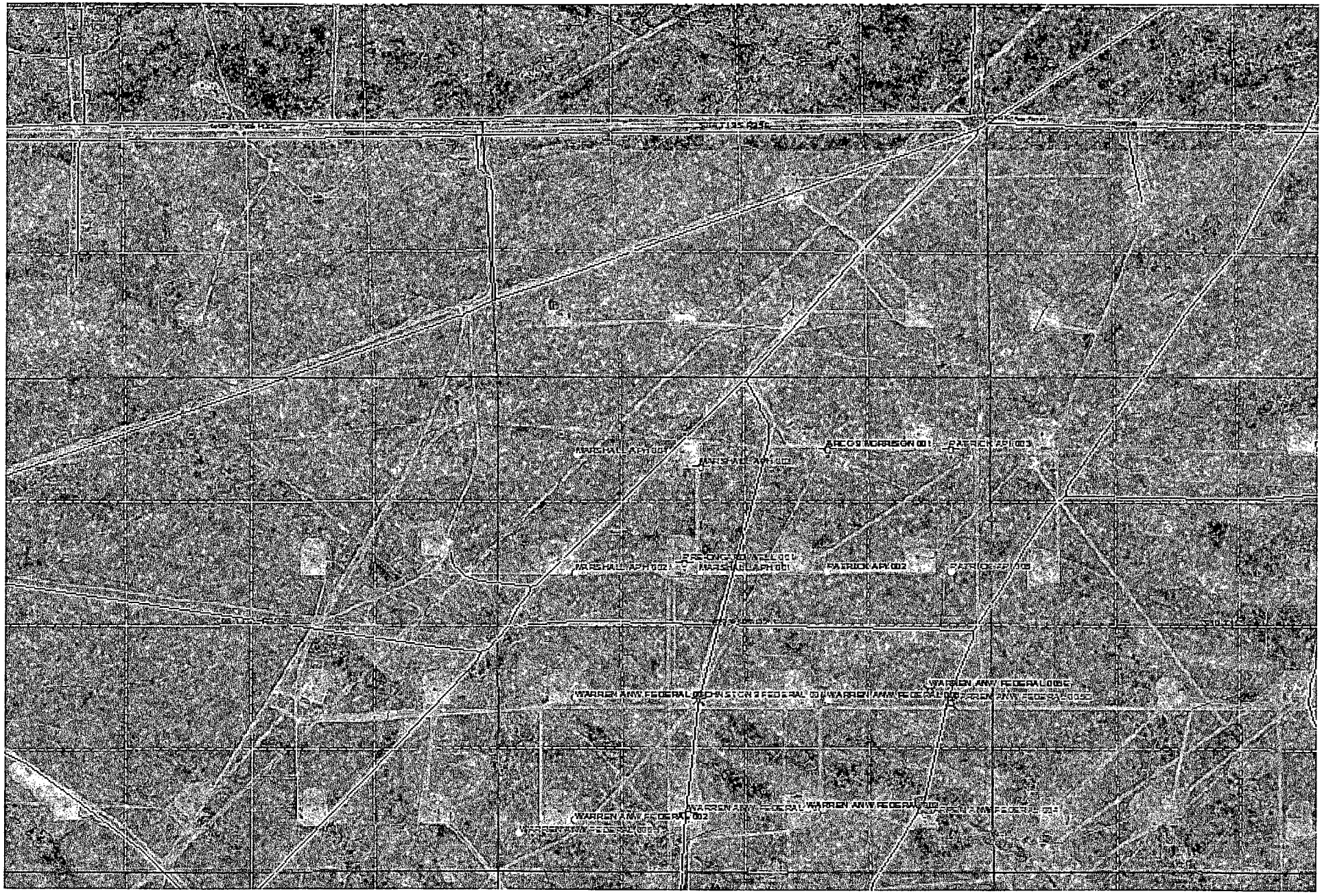
MapNotes

DrawnBy

Oil Conservation Division

8/15/2013 11:46:29 AM

9-19s-25e



Oil Conservation Division

MapNotes

DrawnBy

8/15/2013 11:38:30 AM

Bratcher, Mike, EMNRD REVISED

From: Bob Asher <BobA@yatespetroleum.com>
Sent: Monday, August 05, 2013 8:01 AM
To: Bratcher, Mike, EMNRD; Dade, Randy, EMNRD
Cc: Amber Cannon; Katie Parker; Lupe Carrasco
Subject: RE: Release (Johnson BE Battery)

Randy,

Per our telephone conversation this morning, the actual amount released was 70 B/PW with 0 B/PW recovered. The remaining produced water was recovered by vacuum trucks while the pipe line was being repaired. Corrected information below.

Yates Petroleum Corporation is reporting a release at the following location (8/2/2013).

Johnston BE Battery
30-015-20054
Section 8, T19S-R25E
Eddy County, New Mexico

Released: Approximately 70 B/PW; Recovered: 0 B/PW.

Cause of release is from a pipe line release. Well(s) shut in. Release area isolated. Vacuum truck(s) and backhoe crew were called.

A Form C-141 Initial will be submitted with complete information.

Thank you.

Robert Asher
Yates Petroleum Corporation
boba@yatespetroleum.com

From: Bob Asher
Sent: Monday, August 05, 2013 7:37 AM
To: (mike.bratcher@state.nm.us); (Randy.Dade@state.nm.us)
Cc: Amber Cannon; Katie Parker; Lupe Carrasco
Subject: Release (Johnson BE Battery)

Yates Petroleum Corporation is reporting a release at the following location (8/2/2013).

Johnston BE Battery
30-015-20054
Section 8, T19S-R25E
Eddy County, New Mexico

Released: Approximately 1100 B/PW; Recovered: 1040 B/PW.

Cause of release is from a pipe line release. Well(s) shut in. Release area isolated. Vacuum truck(s) and backhoe crew were called.

A Form C-141 Initial will be submitted with complete information.

Thank you.

Robert Asher
NM Environmental Regulatory Supervisor
Yates Petroleum Corporation
105 S. 4th Street
Artesia, NM 88210
575-748-4217 (Office)
575-365-4021 (Cell)

8/22/13 - F/u phone conversation. per Austin Weyant - this release belongs to Agave - Not Yates. This is a gas Release.
Jean Marie Clarson

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/7/2025 10:29:58 AM

JOB DESCRIPTION

Johnston BE Battery 6 PVC Line
Eddy County, NM

JOB NUMBER

890-8555-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

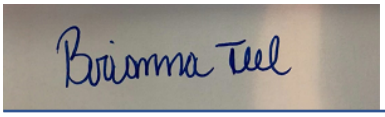
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/7/2025 10:29:58 AM

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

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Laboratory Job ID: 890-8555-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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 Job ID: 890-8555-1
Project: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1 Eurofins Carlsbad

Job Narrative
890-8555-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/1/2025 1:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8555-1), HA - 1 (890-8555-2), HA - 2 (890-8555-3), HA - 2 (890-8555-4), HA - 3 (890-8555-5), HA - 3 (890-8555-6), HA - 4 (890-8555-7), HA - 4 (890-8555-8), HA - 5 (890-8555-9), HA - 5 (890-8555-10), HA - 6 (890-8555-11), HA - 6 (890-8555-12), HA - 7 (890-8555-13), HA - 7 (890-8555-14), HA - 8 (890-8555-15) and HA - 8 (890-8555-16).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-115711 and analytical batch 880-115692 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 5 (890-8555-10) and HA - 8 (890-8555-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8555-1
Matrix: Solid
Date Collected: 08/01/25 08:00
Date Received: 08/01/25 13:51
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/04/25 09:29	08/04/25 12:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/04/25 09:29	08/04/25 12:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/04/25 09:29	08/04/25 12:14	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/04/25 09:29	08/04/25 12:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/04/25 09:29	08/04/25 12:14	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/04/25 09:29	08/04/25 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/04/25 09:29*	*08/04/25 12:14*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*08/04/25 09:29*	*08/04/25 12:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/04/25 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	**81.2**		49.9		mg/Kg			08/05/25 06:55	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	<49.9	U	49.9		mg/Kg		08/04/25 09:07	08/05/25 06:55	1
Diesel Range Organics (Over C10-C28)	**81.2**		49.9		mg/Kg		08/04/25 09:07	08/05/25 06:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:07	08/05/25 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*08/04/25 09:07*	*08/05/25 06:55*	*1*
o-Terphenyl	*108*		*70 - 130*	*08/04/25 09:07*	*08/05/25 06:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9130**		100		mg/Kg			08/04/25 21:30	10

Client Sample ID: HA - 1

Lab Sample ID: 890-8555-2
Matrix: Solid
Date Collected: 08/01/25 08:05
Date Received: 08/01/25 13:51
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 12:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 12:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 12:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/04/25 09:29	08/04/25 12:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 12:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/04/25 09:29	08/04/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/04/25 09:29*	*08/04/25 12:35*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8555-2
Matrix: Solid

Date Collected: 08/01/25 08:05
Date Received: 08/01/25 13:51
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*08/04/25 09:29*	*08/04/25 12:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/04/25 12:35	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			08/05/25 07:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 07:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 07:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*08/04/25 09:07*	*08/05/25 07:12*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/04/25 09:07*	*08/05/25 07:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4620**		49.9		mg/Kg			08/04/25 21:35	5

Client Sample ID: HA - 2

Lab Sample ID: 890-8555-3
Matrix: Solid

Date Collected: 08/01/25 08:10
Date Received: 08/01/25 13:51
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		08/04/25 09:29	08/04/25 12:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 12:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 12:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/04/25 09:29	08/04/25 12:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 12:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/04/25 09:29	08/04/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*08/04/25 09:29*	*08/04/25 12:55*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*08/04/25 09:29*	*08/04/25 12:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/04/25 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/05/25 07:27	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8555-3
Matrix: Solid
Date Collected: 08/01/25 08:10
Date Received: 08/01/25 13:51
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		08/04/25 09:07	08/05/25 07:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/04/25 09:07	08/05/25 07:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/25 09:07	08/05/25 07:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*08/04/25 09:07*	*08/05/25 07:27*	*1*
o-Terphenyl	*106*		*70 - 130*	*08/04/25 09:07*	*08/05/25 07:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4570**		101		mg/Kg			08/04/25 21:41	10

Client Sample ID: HA - 2

Lab Sample ID: 890-8555-4
Matrix: Solid
Date Collected: 08/01/25 08:15
Date Received: 08/01/25 13:51
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/04/25 09:29	08/04/25 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/04/25 09:29	08/04/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*08/04/25 09:29*	*08/04/25 13:16*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*08/04/25 09:29*	*08/04/25 13:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/04/25 13:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/05/25 07:43	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	<49.9	U	49.9		mg/Kg		08/04/25 09:07	08/05/25 07:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/04/25 09:07	08/05/25 07:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:07	08/05/25 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*08/04/25 09:07*	*08/05/25 07:43*	*1*
o-Terphenyl	*107*		*70 - 130*	*08/04/25 09:07*	*08/05/25 07:43*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8555-4
Matrix: Solid
Date Collected: 08/01/25 08:15
Date Received: 08/01/25 13:51
Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2330		50.3		mg/Kg			08/04/25 21:58	5

Client Sample ID: HA - 3

Lab Sample ID: 890-8555-5
Matrix: Solid
Date Collected: 08/01/25 08:20
Date Received: 08/01/25 13:51
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		08/04/25 09:29	08/04/25 13:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 13:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 13:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/04/25 09:29	08/04/25 13:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 13:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/04/25 09:29	08/04/25 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*08/04/25 09:29*	*08/04/25 13:36*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*08/04/25 09:29*	*08/04/25 13:36*	*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			08/04/25 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/05/25 07:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 07:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 07:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*08/04/25 09:07*	*08/05/25 07:58*	*1*
o-Terphenyl	*105*		*70 - 130*	*08/04/25 09:07*	*08/05/25 07:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5930		99.8		mg/Kg			08/04/25 22:04	10

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8555-6
Matrix: Solid
Date Collected: 08/01/25 08:25
Date Received: 08/01/25 13:51
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 13:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 13:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 13:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/04/25 09:29	08/04/25 13:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 13:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/04/25 09:29	08/04/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*08/04/25 09:29*	*08/04/25 13:57*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*08/04/25 09:29*	*08/04/25 13:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/04/25 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/05/25 08:15	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		08/04/25 09:07	08/05/25 08:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 08:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*08/04/25 09:07*	*08/05/25 08:15*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/04/25 09:07*	*08/05/25 08:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2600**		50.5		mg/Kg			08/04/25 22:09	5

Client Sample ID: HA - 4

Lab Sample ID: 890-8555-7
Matrix: Solid
Date Collected: 08/01/25 08:30
Date Received: 08/01/25 13:51
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		08/04/25 09:29	08/04/25 14:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 14:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 14:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/04/25 09:29	08/04/25 14:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 14:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/04/25 09:29	08/04/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*08/04/25 09:29*	*08/04/25 14:17*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8555-7
Matrix: Solid
Date Collected: 08/01/25 08:30
Date Received: 08/01/25 13:51
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*08/04/25 09:29*	*08/04/25 14:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/04/25 14:17	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			08/05/25 15:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/31/25 14:16	08/05/25 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/31/25 14:16	08/05/25 15:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/25 14:16	08/05/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/31/25 14:16*	*08/05/25 15:19*	*1*
o-Terphenyl	*107*		*70 - 130*	*07/31/25 14:16*	*08/05/25 15:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.4**		10.1		mg/Kg			08/04/25 22:15	1

Client Sample ID: HA - 4

Lab Sample ID: 890-8555-8
Matrix: Solid
Date Collected: 08/01/25 08:35
Date Received: 08/01/25 13:51
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 14:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 14:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 14:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/04/25 09:29	08/04/25 14:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 14:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/04/25 09:29	08/04/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*08/04/25 09:29*	*08/04/25 14:38*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*08/04/25 09:29*	*08/04/25 14:38*	*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			08/04/25 14:38	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			08/05/25 16:04	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 4

Lab Sample ID: 890-8555-8
Matrix: Solid
Date Collected: 08/01/25 08:35
Date Received: 08/01/25 13:51
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/31/25 14:16	08/05/25 16:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/31/25 14:16	08/05/25 16:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/31/25 14:16	08/05/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/31/25 14:16*	*08/05/25 16:04*	*1*
o-Terphenyl	*107*		*70 - 130*	*07/31/25 14:16*	*08/05/25 16:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**268**		9.98		mg/Kg			08/04/25 22:21	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8555-9
Matrix: Solid
Date Collected: 08/01/25 08:40
Date Received: 08/01/25 13:51
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		08/04/25 09:29	08/04/25 14:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 14:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 14:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/04/25 09:29	08/04/25 14:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 14:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/04/25 09:29	08/04/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*08/04/25 09:29*	*08/04/25 14:58*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*08/04/25 09:29*	*08/04/25 14:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/04/25 14:58	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			08/06/25 16:34	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	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 16:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 16:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*08/04/25 09:52*	*08/06/25 16:34*	*1*
o-Terphenyl	*124*		*70 - 130*	*08/04/25 09:52*	*08/06/25 16:34*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 5

Lab Sample ID: 890-8555-9
Matrix: Solid
Date Collected: 08/01/25 08:40
Date Received: 08/01/25 13:51
Sample Depth: 0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.6		10.1		mg/Kg			08/04/25 22:26	1

Client Sample ID: HA - 5

Lab Sample ID: 890-8555-10
Matrix: Solid
Date Collected: 08/01/25 08:45
Date Received: 08/01/25 13:51
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 15:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 15:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 15:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/04/25 09:29	08/04/25 15:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 15:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/04/25 09:29	08/04/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*08/04/25 09:29*	*08/04/25 15:19*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*08/04/25 09:29*	*08/04/25 15:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/04/25 15:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/06/25 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 17:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 17:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*08/04/25 09:52*	*08/06/25 17:19*	*1*
o-Terphenyl	*124*		*70 - 130*	*08/04/25 09:52*	*08/06/25 17:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.3		9.98		mg/Kg			08/04/25 22:43	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8555-11
Matrix: Solid
Date Collected: 08/01/25 08:50
Date Received: 08/01/25 13:51
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		08/04/25 09:29	08/04/25 17:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 17:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 17:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/04/25 09:29	08/04/25 17:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/04/25 09:29	08/04/25 17:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/04/25 09:29	08/04/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/04/25 09:29*	*08/04/25 17:10*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*08/04/25 09:29*	*08/04/25 17:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/04/25 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/06/25 17:34	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	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 17:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 17:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*08/04/25 09:52*	*08/06/25 17:34*	*1*
o-Terphenyl	*115*		*70 - 130*	*08/04/25 09:52*	*08/06/25 17:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**290**		10.1		mg/Kg			08/04/25 22:49	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8555-12
Matrix: Solid
Date Collected: 08/01/25 08:55
Date Received: 08/01/25 13:51
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 17:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 17:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 17:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/04/25 09:29	08/04/25 17:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/04/25 09:29	08/04/25 17:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/04/25 09:29	08/04/25 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*08/04/25 09:29*	*08/04/25 17:30*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8555-12
Matrix: Solid
Date Collected: 08/01/25 08:55
Date Received: 08/01/25 13:51
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*08/04/25 09:29*	*08/04/25 17:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/04/25 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/06/25 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/04/25 09:52	08/06/25 17:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/04/25 09:52	08/06/25 17:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/25 09:52	08/06/25 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/04/25 09:52*	*08/06/25 17:49*	*1*
o-Terphenyl	*120*		*70 - 130*	*08/04/25 09:52*	*08/06/25 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1320**		10.1		mg/Kg			08/04/25 23:06	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8555-13
Matrix: Solid
Date Collected: 08/01/25 09:00
Date Received: 08/01/25 13:51
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		08/04/25 09:29	08/04/25 17:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 17:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 17:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/04/25 09:29	08/04/25 17:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 17:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/04/25 09:29	08/04/25 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*08/04/25 09:29*	*08/04/25 17:51*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*08/04/25 09:29*	*08/04/25 17:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/04/25 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/06/25 18:04	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8555-13
Matrix: Solid
Date Collected: 08/01/25 09:00
Date Received: 08/01/25 13:51
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/04/25 09:52*	*08/06/25 18:04*	*1*
o-Terphenyl	*119*		*70 - 130*	*08/04/25 09:52*	*08/06/25 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**		9.98		mg/Kg			08/04/25 23:12	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8555-14
Matrix: Solid
Date Collected: 08/01/25 09:05
Date Received: 08/01/25 13:51
Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 18:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 18:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 18:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/04/25 09:29	08/04/25 18:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 18:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/04/25 09:29	08/04/25 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*08/04/25 09:29*	*08/04/25 18:11*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*08/04/25 09:29*	*08/04/25 18:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/04/25 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/06/25 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 18:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 18:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/04/25 09:52*	*08/06/25 18:19*	*1*
o-Terphenyl	*121*		*70 - 130*	*08/04/25 09:52*	*08/06/25 18:19*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8555-14
Matrix: Solid
Date Collected: 08/01/25 09:05
Date Received: 08/01/25 13:51
Sample Depth: 3

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		50.1		mg/Kg			08/04/25 23:17	5

Client Sample ID: HA - 8

Lab Sample ID: 890-8555-15
Matrix: Solid
Date Collected: 08/01/25 09:10
Date Received: 08/01/25 13:51
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/04/25 09:29	08/04/25 18:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/04/25 09:29	08/04/25 18:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/04/25 09:29	08/04/25 18:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/04/25 09:29	08/04/25 18:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/04/25 09:29	08/04/25 18:32	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/04/25 09:29	08/04/25 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*08/04/25 09:29*	*08/04/25 18:32*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*08/04/25 09:29*	*08/04/25 18:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/04/25 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/06/25 18:34	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	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*08/04/25 09:52*	*08/06/25 18:34*	*1*
o-Terphenyl	*121*		*70 - 130*	*08/04/25 09:52*	*08/06/25 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			08/04/25 23:23	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 8

Date Collected: 08/01/25 09:15
Date Received: 08/01/25 13:51
Sample Depth: 4

Lab Sample ID: 890-8555-16

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		08/04/25 09:29	08/04/25 18:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 18:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 18:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/04/25 09:29	08/04/25 18:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/04/25 09:29	08/04/25 18:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/04/25 09:29	08/04/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*08/04/25 09:29*	*08/04/25 18:52*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*08/04/25 09:29*	*08/04/25 18:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/04/25 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/06/25 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/25 09:52	08/06/25 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/04/25 09:52*	*08/06/25 18:49*	*1*
o-Terphenyl	*119*		*70 - 130*	*08/04/25 09:52*	*08/06/25 18:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**562**		10.1		mg/Kg			08/04/25 23:29	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
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)										
890-8555-1	HA - 1	91	104										
890-8555-1 MS	HA - 1	106	105										
890-8555-1 MSD	HA - 1	104	108										
890-8555-2	HA - 1	101	107										
890-8555-3	HA - 2	108	108										
890-8555-4	HA - 2	113	107										
890-8555-5	HA - 3	113	113										
890-8555-6	HA - 3	110	106										
890-8555-7	HA - 4	119	111										
890-8555-8	HA - 4	125	118										
890-8555-9	HA - 5	123	113										
890-8555-10	HA - 5	139 S1+	119										
890-8555-11	HA - 6	92	103										
890-8555-12	HA - 6	104	110										
890-8555-13	HA - 7	126	112										
890-8555-14	HA - 7	122	112										
890-8555-15	HA - 8	134 S1+	113										
890-8555-16	HA - 8	120	109										
LCS 880-115711/1-A	Lab Control Sample	100	107										
LCSD 880-115711/2-A	Lab Control Sample Dup	95	105										
MB 880-115711/5-A	Method Blank	137 S1+	87										

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)										
890-8555-1	HA - 1	108	108										
890-8555-2	HA - 1	105	104										
890-8555-3	HA - 2	105	106										
890-8555-4	HA - 2	106	107										
890-8555-5	HA - 3	104	105										
890-8555-6	HA - 3	102	103										
890-8555-7	HA - 4	103	107										
890-8555-7 MS	HA - 4	111	111										
890-8555-7 MSD	HA - 4	112	110										
890-8555-8	HA - 4	104	107										
890-8555-9	HA - 5	116	124										
890-8555-9 MS	HA - 5	118	120										
890-8555-9 MSD	HA - 5	121	122										
890-8555-10	HA - 5	116	124										
890-8555-11	HA - 6	103	115										
890-8555-12	HA - 6	112	120										
890-8555-13	HA - 7	112	119										
890-8555-14	HA - 7	112	121										

Surrogate Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8555-1
Project/Site: Johnston BE Battery 6 PVC Line
SDG: Eddy County, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-8555-15	HA - 8	114	121								
890-8555-16	HA - 8	112	119								
LCS 880-115529/2-A	Lab Control Sample	104	105								
LCS 880-115701/2-A	Lab Control Sample	109	99								
LCS 880-115732/2-A	Lab Control Sample	127	129								
LCSD 880-115529/3-A	Lab Control Sample Dup	105	103								
LCSD 880-115701/3-A	Lab Control Sample Dup	109	99								
LCSD 880-115732/3-A	Lab Control Sample Dup	125	129								
MB 880-115529/1-A	Method Blank	86	94								
MB 880-115701/1-A	Method Blank	86	90								
MB 880-115732/1-A	Method Blank	101	110								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-115711/5-A
Matrix: Solid
Analysis Batch: 115692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115711

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/04/25 09:29	08/04/25 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/25 09:29	08/04/25 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/04/25 09:29	08/04/25 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*08/04/25 09:29*	*08/04/25 11:45*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/04/25 09:29*	*08/04/25 11:45*	*1*

Lab Sample ID: LCS 880-115711/1-A
Matrix: Solid
Analysis Batch: 115692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115711

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08188		mg/Kg		82	70 - 130		
Toluene			0.100	0.08093		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08596		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1624		mg/Kg		81	70 - 130		
o-Xylene			0.100	0.08274		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-115711/2-A
Matrix: Solid
Analysis Batch: 115692

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115711

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09215		mg/Kg		92	70 - 130	12	35
Toluene			0.100	0.08943		mg/Kg		89	70 - 130	10	35
Ethylbenzene			0.100	0.09037		mg/Kg		90	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1461		mg/Kg		73	70 - 130	11	35
o-Xylene			0.100	0.08254		mg/Kg		83	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-8555-1 MS
Matrix: Solid
Analysis Batch: 115692

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 115711

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.100	0.08773		mg/Kg		88	70 - 130		
Toluene	<0.00198	U	0.100	0.08134		mg/Kg		81	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8555-1 MS
Matrix: Solid
Analysis Batch: 115692

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 115711

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.100	0.09836		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1765		mg/Kg		88	70 - 130
o-Xylene	<0.00198	U	0.100	0.08978		mg/Kg		90	70 - 130

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

Lab Sample ID: 890-8555-1 MSD
Matrix: Solid
Analysis Batch: 115692

Client Sample ID: HA - 1
Prep Type: Total/NA
Prep Batch: 115711

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.07849		mg/Kg		78	70 - 130	11	35
Toluene	<0.00198	U	0.100	0.07620		mg/Kg		76	70 - 130	7	35
Ethylbenzene	<0.00198	U	0.100	0.08060		mg/Kg		81	70 - 130	20	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1549		mg/Kg		77	70 - 130	13	35
o-Xylene	<0.00198	U	0.100	0.08077		mg/Kg		81	70 - 130	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

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

Lab Sample ID: MB 880-115529/1-A
Matrix: Solid
Analysis Batch: 115840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115529

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		07/31/25 14:16	08/05/25 14:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/31/25 14:16	08/05/25 14:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/25 14:16	08/05/25 14:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*07/31/25 14:16*	*08/05/25 14:18*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/31/25 14:16*	*08/05/25 14:18*	*1*

Lab Sample ID: LCS 880-115529/2-A
Matrix: Solid
Analysis Batch: 115840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1069		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	936.5		mg/Kg		94	70 - 130

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QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-115529/2-A
Matrix: Solid
Analysis Batch: 115840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115529

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-115529/3-A
Matrix: Solid
Analysis Batch: 115840

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115529

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1068		mg/Kg		107	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	945.1		mg/Kg		95	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-8555-7 MS
Matrix: Solid
Analysis Batch: 115840

Client Sample ID: HA - 4
Prep Type: Total/NA
Prep Batch: 115529

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	908.0		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	791.5		mg/Kg		79	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 890-8555-7 MSD
Matrix: Solid
Analysis Batch: 115840

Client Sample ID: HA - 4
Prep Type: Total/NA
Prep Batch: 115529

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	916.0		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	791.2		mg/Kg		79	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	110		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-115701/1-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 02:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 02:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:07	08/05/25 02:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*08/04/25 09:07*	*08/05/25 02:11*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/04/25 09:07*	*08/05/25 02:11*	*1*

Lab Sample ID: LCS 880-115701/2-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115701

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1084		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1064		mg/Kg		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-115701/3-A
Matrix: Solid
Analysis Batch: 115702

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115701

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1084		mg/Kg		108	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1073		mg/Kg		107	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: MB 880-115732/1-A
Matrix: Solid
Analysis Batch: 115935

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 15:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 15:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/25 09:52	08/06/25 15:35	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-115732/1-A
Matrix: Solid
Analysis Batch: 115935

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115732

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	08/04/25 09:52	08/06/25 15:35	1
o-Terphenyl	110		70 - 130	08/04/25 09:52	08/06/25 15:35	1

Lab Sample ID: LCS 880-115732/2-A
Matrix: Solid
Analysis Batch: 115935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115732

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	989.8		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1008		mg/Kg		101	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: LCSD 880-115732/3-A
Matrix: Solid
Analysis Batch: 115935

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115732

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	979.6		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	985.3		mg/Kg		99	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	129		70 - 130

Lab Sample ID: 890-8555-9 MS
Matrix: Solid
Analysis Batch: 115935

Client Sample ID: HA - 5
Prep Type: Total/NA
Prep Batch: 115732

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	833.3		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	958.0		mg/Kg		96	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	120		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8555-9 MSD — **Client Sample ID: HA - 5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115935 — **Prep Batch: 115732**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	868.1		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	959.5		mg/Kg		96	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-115691/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 115784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/04/25 20:50	1

Lab Sample ID: LCS 880-115691/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 115784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.0		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-115691/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 115784

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-8555-9 MS — **Client Sample ID: HA - 5**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 115784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	39.6		252	279.5		mg/Kg		95	90 - 110

Lab Sample ID: 890-8555-9 MSD — **Client Sample ID: HA - 5**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 115784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	39.6		252	280.2		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 115692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-1	HA - 1	Total/NA	Solid	8021B	115711
890-8555-2	HA - 1	Total/NA	Solid	8021B	115711
890-8555-3	HA - 2	Total/NA	Solid	8021B	115711
890-8555-4	HA - 2	Total/NA	Solid	8021B	115711
890-8555-5	HA - 3	Total/NA	Solid	8021B	115711
890-8555-6	HA - 3	Total/NA	Solid	8021B	115711
890-8555-7	HA - 4	Total/NA	Solid	8021B	115711
890-8555-8	HA - 4	Total/NA	Solid	8021B	115711
890-8555-9	HA - 5	Total/NA	Solid	8021B	115711
890-8555-10	HA - 5	Total/NA	Solid	8021B	115711
890-8555-11	HA - 6	Total/NA	Solid	8021B	115711
890-8555-12	HA - 6	Total/NA	Solid	8021B	115711
890-8555-13	HA - 7	Total/NA	Solid	8021B	115711
890-8555-14	HA - 7	Total/NA	Solid	8021B	115711
890-8555-15	HA - 8	Total/NA	Solid	8021B	115711
890-8555-16	HA - 8	Total/NA	Solid	8021B	115711
MB 880-115711/5-A	Method Blank	Total/NA	Solid	8021B	115711
LCS 880-115711/1-A	Lab Control Sample	Total/NA	Solid	8021B	115711
LCSD 880-115711/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	115711
890-8555-1 MS	HA - 1	Total/NA	Solid	8021B	115711
890-8555-1 MSD	HA - 1	Total/NA	Solid	8021B	115711

Prep Batch: 115711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-1	HA - 1	Total/NA	Solid	5035	
890-8555-2	HA - 1	Total/NA	Solid	5035	
890-8555-3	HA - 2	Total/NA	Solid	5035	
890-8555-4	HA - 2	Total/NA	Solid	5035	
890-8555-5	HA - 3	Total/NA	Solid	5035	
890-8555-6	HA - 3	Total/NA	Solid	5035	
890-8555-7	HA - 4	Total/NA	Solid	5035	
890-8555-8	HA - 4	Total/NA	Solid	5035	
890-8555-9	HA - 5	Total/NA	Solid	5035	
890-8555-10	HA - 5	Total/NA	Solid	5035	
890-8555-11	HA - 6	Total/NA	Solid	5035	
890-8555-12	HA - 6	Total/NA	Solid	5035	
890-8555-13	HA - 7	Total/NA	Solid	5035	
890-8555-14	HA - 7	Total/NA	Solid	5035	
890-8555-15	HA - 8	Total/NA	Solid	5035	
890-8555-16	HA - 8	Total/NA	Solid	5035	
MB 880-115711/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-115711/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-115711/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8555-1 MS	HA - 1	Total/NA	Solid	5035	
890-8555-1 MSD	HA - 1	Total/NA	Solid	5035	

Analysis Batch: 115903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8555-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8555-3	HA - 2	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 115903 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-4	HA - 2	Total/NA	Solid	Total BTEX	
890-8555-5	HA - 3	Total/NA	Solid	Total BTEX	
890-8555-6	HA - 3	Total/NA	Solid	Total BTEX	
890-8555-7	HA - 4	Total/NA	Solid	Total BTEX	
890-8555-8	HA - 4	Total/NA	Solid	Total BTEX	
890-8555-9	HA - 5	Total/NA	Solid	Total BTEX	
890-8555-10	HA - 5	Total/NA	Solid	Total BTEX	
890-8555-11	HA - 6	Total/NA	Solid	Total BTEX	
890-8555-12	HA - 6	Total/NA	Solid	Total BTEX	
890-8555-13	HA - 7	Total/NA	Solid	Total BTEX	
890-8555-14	HA - 7	Total/NA	Solid	Total BTEX	
890-8555-15	HA - 8	Total/NA	Solid	Total BTEX	
890-8555-16	HA - 8	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 115529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-7	HA - 4	Total/NA	Solid	8015NM Prep	
890-8555-8	HA - 4	Total/NA	Solid	8015NM Prep	
MB 880-115529/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115529/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115529/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8555-7 MS	HA - 4	Total/NA	Solid	8015NM Prep	
890-8555-7 MSD	HA - 4	Total/NA	Solid	8015NM Prep	

Prep Batch: 115701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8555-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-8555-3	HA - 2	Total/NA	Solid	8015NM Prep	
890-8555-4	HA - 2	Total/NA	Solid	8015NM Prep	
890-8555-5	HA - 3	Total/NA	Solid	8015NM Prep	
890-8555-6	HA - 3	Total/NA	Solid	8015NM Prep	
MB 880-115701/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115701/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-1	HA - 1	Total/NA	Solid	8015B NM	115701
890-8555-2	HA - 1	Total/NA	Solid	8015B NM	115701
890-8555-3	HA - 2	Total/NA	Solid	8015B NM	115701
890-8555-4	HA - 2	Total/NA	Solid	8015B NM	115701
890-8555-5	HA - 3	Total/NA	Solid	8015B NM	115701
890-8555-6	HA - 3	Total/NA	Solid	8015B NM	115701
MB 880-115701/1-A	Method Blank	Total/NA	Solid	8015B NM	115701
LCS 880-115701/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115701
LCSD 880-115701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115701

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

GC Semi VOA

Prep Batch: 115732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-9	HA - 5	Total/NA	Solid	8015NM Prep	
890-8555-10	HA - 5	Total/NA	Solid	8015NM Prep	
890-8555-11	HA - 6	Total/NA	Solid	8015NM Prep	
890-8555-12	HA - 6	Total/NA	Solid	8015NM Prep	
890-8555-13	HA - 7	Total/NA	Solid	8015NM Prep	
890-8555-14	HA - 7	Total/NA	Solid	8015NM Prep	
890-8555-15	HA - 8	Total/NA	Solid	8015NM Prep	
890-8555-16	HA - 8	Total/NA	Solid	8015NM Prep	
MB 880-115732/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-115732/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-115732/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8555-9 MS	HA - 5	Total/NA	Solid	8015NM Prep	
890-8555-9 MSD	HA - 5	Total/NA	Solid	8015NM Prep	

Analysis Batch: 115831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-1	HA - 1	Total/NA	Solid	8015 NM	
890-8555-2	HA - 1	Total/NA	Solid	8015 NM	
890-8555-3	HA - 2	Total/NA	Solid	8015 NM	
890-8555-4	HA - 2	Total/NA	Solid	8015 NM	
890-8555-5	HA - 3	Total/NA	Solid	8015 NM	
890-8555-6	HA - 3	Total/NA	Solid	8015 NM	
890-8555-7	HA - 4	Total/NA	Solid	8015 NM	
890-8555-8	HA - 4	Total/NA	Solid	8015 NM	
890-8555-9	HA - 5	Total/NA	Solid	8015 NM	
890-8555-10	HA - 5	Total/NA	Solid	8015 NM	
890-8555-11	HA - 6	Total/NA	Solid	8015 NM	
890-8555-12	HA - 6	Total/NA	Solid	8015 NM	
890-8555-13	HA - 7	Total/NA	Solid	8015 NM	
890-8555-14	HA - 7	Total/NA	Solid	8015 NM	
890-8555-15	HA - 8	Total/NA	Solid	8015 NM	
890-8555-16	HA - 8	Total/NA	Solid	8015 NM	

Analysis Batch: 115840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-7	HA - 4	Total/NA	Solid	8015B NM	115529
890-8555-8	HA - 4	Total/NA	Solid	8015B NM	115529
MB 880-115529/1-A	Method Blank	Total/NA	Solid	8015B NM	115529
LCS 880-115529/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115529
LCSD 880-115529/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115529
890-8555-7 MS	HA - 4	Total/NA	Solid	8015B NM	115529
890-8555-7 MSD	HA - 4	Total/NA	Solid	8015B NM	115529

Analysis Batch: 115935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-9	HA - 5	Total/NA	Solid	8015B NM	115732
890-8555-10	HA - 5	Total/NA	Solid	8015B NM	115732
890-8555-11	HA - 6	Total/NA	Solid	8015B NM	115732
890-8555-12	HA - 6	Total/NA	Solid	8015B NM	115732
890-8555-13	HA - 7	Total/NA	Solid	8015B NM	115732
890-8555-14	HA - 7	Total/NA	Solid	8015B NM	115732

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 115935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-15	HA - 8	Total/NA	Solid	8015B NM	115732
890-8555-16	HA - 8	Total/NA	Solid	8015B NM	115732
MB 880-115732/1-A	Method Blank	Total/NA	Solid	8015B NM	115732
LCS 880-115732/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	115732
LCSD 880-115732/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	115732
890-8555-9 MS	HA - 5	Total/NA	Solid	8015B NM	115732
890-8555-9 MSD	HA - 5	Total/NA	Solid	8015B NM	115732

HPLC/IC

Leach Batch: 115691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-1	HA - 1	Soluble	Solid	DI Leach	
890-8555-2	HA - 1	Soluble	Solid	DI Leach	
890-8555-3	HA - 2	Soluble	Solid	DI Leach	
890-8555-4	HA - 2	Soluble	Solid	DI Leach	
890-8555-5	HA - 3	Soluble	Solid	DI Leach	
890-8555-6	HA - 3	Soluble	Solid	DI Leach	
890-8555-7	HA - 4	Soluble	Solid	DI Leach	
890-8555-8	HA - 4	Soluble	Solid	DI Leach	
890-8555-9	HA - 5	Soluble	Solid	DI Leach	
890-8555-10	HA - 5	Soluble	Solid	DI Leach	
890-8555-11	HA - 6	Soluble	Solid	DI Leach	
890-8555-12	HA - 6	Soluble	Solid	DI Leach	
890-8555-13	HA - 7	Soluble	Solid	DI Leach	
890-8555-14	HA - 7	Soluble	Solid	DI Leach	
890-8555-15	HA - 8	Soluble	Solid	DI Leach	
890-8555-16	HA - 8	Soluble	Solid	DI Leach	
MB 880-115691/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-115691/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-115691/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8555-9 MS	HA - 5	Soluble	Solid	DI Leach	
890-8555-9 MSD	HA - 5	Soluble	Solid	DI Leach	

Analysis Batch: 115784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-1	HA - 1	Soluble	Solid	300.0	115691
890-8555-2	HA - 1	Soluble	Solid	300.0	115691
890-8555-3	HA - 2	Soluble	Solid	300.0	115691
890-8555-4	HA - 2	Soluble	Solid	300.0	115691
890-8555-5	HA - 3	Soluble	Solid	300.0	115691
890-8555-6	HA - 3	Soluble	Solid	300.0	115691
890-8555-7	HA - 4	Soluble	Solid	300.0	115691
890-8555-8	HA - 4	Soluble	Solid	300.0	115691
890-8555-9	HA - 5	Soluble	Solid	300.0	115691
890-8555-10	HA - 5	Soluble	Solid	300.0	115691
890-8555-11	HA - 6	Soluble	Solid	300.0	115691
890-8555-12	HA - 6	Soluble	Solid	300.0	115691
890-8555-13	HA - 7	Soluble	Solid	300.0	115691
890-8555-14	HA - 7	Soluble	Solid	300.0	115691
890-8555-15	HA - 8	Soluble	Solid	300.0	115691

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 115784 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8555-16	HA - 8	Soluble	Solid	300.0	115691
MB 880-115691/1-A	Method Blank	Soluble	Solid	300.0	115691
LCS 880-115691/2-A	Lab Control Sample	Soluble	Solid	300.0	115691
LCSD 880-115691/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	115691
890-8555-9 MS	HA - 5	Soluble	Solid	300.0	115691
890-8555-9 MSD	HA - 5	Soluble	Solid	300.0	115691

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Date Collected: 08/01/25 08:00
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-1

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	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 12:14	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/05/25 06:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 06:55	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		10			115784	08/04/25 21:30	SMC	EET MID

Client Sample ID: HA - 1

Date Collected: 08/01/25 08:05
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-2

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	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 12:35	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/05/25 07:12	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 07:12	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		5			115784	08/04/25 21:35	SMC	EET MID

Client Sample ID: HA - 2

Date Collected: 08/01/25 08:10
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-3

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	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 12:55	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/05/25 07:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 07:27	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		10			115784	08/04/25 21:41	SMC	EET MID

Client Sample ID: HA - 2

Date Collected: 08/01/25 08:15
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-4

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			5.01 g	5 mL	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 13:16	MNR	EET MID

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Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8555-1
Project/Site: Johnston BE Battery 6 PVC Line
SDG: Eddy County, NM

Client Sample ID: HA - 2
Lab Sample ID: 890-8555-4
Date Collected: 08/01/25 08:15
Matrix: Solid
Date Received: 08/01/25 13:51

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			115831	08/05/25 07:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 07:43	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		5			115784	08/04/25 21:58	SMC	EET MID

Client Sample ID: HA - 3
Lab Sample ID: 890-8555-5
Date Collected: 08/01/25 08:20
Matrix: Solid
Date Received: 08/01/25 13:51

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	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 13:36	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/05/25 07:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 07:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		10			115784	08/04/25 22:04	SMC	EET MID

Client Sample ID: HA - 3
Lab Sample ID: 890-8555-6
Date Collected: 08/01/25 08:25
Matrix: Solid
Date Received: 08/01/25 13:51

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	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 13:57	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/05/25 08:15	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115701	08/04/25 09:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115702	08/05/25 08:15	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		5			115784	08/04/25 22:09	SMC	EET MID

Client Sample ID: HA - 4
Lab Sample ID: 890-8555-7
Date Collected: 08/01/25 08:30
Matrix: Solid
Date Received: 08/01/25 13:51

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	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 14:17	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/05/25 15:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115529	07/31/25 14:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115840	08/05/25 15:19	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 4
Date Collected: 08/01/25 08:30
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 22:15	SMC	EET MID

Client Sample ID: HA - 4
Date Collected: 08/01/25 08:35
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 14:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 14:38	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/05/25 16:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115529	07/31/25 14:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115840	08/05/25 16:04	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 22:21	SMC	EET MID

Client Sample ID: HA - 5
Date Collected: 08/01/25 08:40
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 14:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 14:58	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/06/25 16:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115732	08/04/25 09:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115935	08/06/25 16:34	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 22:26	SMC	EET MID

Client Sample ID: HA - 5
Date Collected: 08/01/25 08:45
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 15:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 15:19	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/06/25 17:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	115732	08/04/25 09:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115935	08/06/25 17:19	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 22:43	SMC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Collected: 08/01/25 08:50
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 17:10	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/06/25 17:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115732	08/04/25 09:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115935	08/06/25 17:34	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 22:49	SMC	EET MID

Client Sample ID: HA - 6

Date Collected: 08/01/25 08:55
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 17:30	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/06/25 17:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	115732	08/04/25 09:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115935	08/06/25 17:49	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 23:06	SMC	EET MID

Client Sample ID: HA - 7

Date Collected: 08/01/25 09:00
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 17:51	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/06/25 18:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115732	08/04/25 09:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115935	08/06/25 18:04	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 23:12	SMC	EET MID

Client Sample ID: HA - 7

Date Collected: 08/01/25 09:05
Date Received: 08/01/25 13:51

Lab Sample ID: 890-8555-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 18:11	MNR	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8555-1
Project/Site: Johnston BE Battery 6 PVC Line
SDG: Eddy County, NM

Client Sample ID: HA - 7
Lab Sample ID: 890-8555-14
Date Collected: 08/01/25 09:05
Matrix: Solid
Date Received: 08/01/25 13:51

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			115831	08/06/25 18:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	115732	08/04/25 09:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115935	08/06/25 18:19	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		5			115784	08/04/25 23:17	SMC	EET MID

Client Sample ID: HA - 8
Lab Sample ID: 890-8555-15
Date Collected: 08/01/25 09:10
Matrix: Solid
Date Received: 08/01/25 13:51

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	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 18:32	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/06/25 18:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	115732	08/04/25 09:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115935	08/06/25 18:34	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 23:23	SMC	EET MID

Client Sample ID: HA - 8
Lab Sample ID: 890-8555-16
Date Collected: 08/01/25 09:15
Matrix: Solid
Date Received: 08/01/25 13:51

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	115711	08/04/25 09:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	115692	08/04/25 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			115903	08/04/25 18:52	MNR	EET MID
Total/NA	Analysis	8015 NM		1			115831	08/06/25 18:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	115732	08/04/25 09:52	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	115935	08/06/25 18:49	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	115691	08/04/25 08:14	SI	EET MID
Soluble	Analysis	300.0		1			115784	08/04/25 23:29	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8555-1
Project/Site: Johnston BE Battery 6 PVC Line
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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
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: Johnston BE Battery 6 PVC Line

Job ID: 890-8555-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8555-1	HA - 1	Solid	08/01/25 08:00	08/01/25 13:51	0.5
890-8555-2	HA - 1	Solid	08/01/25 08:05	08/01/25 13:51	4
890-8555-3	HA - 2	Solid	08/01/25 08:10	08/01/25 13:51	0.5
890-8555-4	HA - 2	Solid	08/01/25 08:15	08/01/25 13:51	3
890-8555-5	HA - 3	Solid	08/01/25 08:20	08/01/25 13:51	0.5
890-8555-6	HA - 3	Solid	08/01/25 08:25	08/01/25 13:51	4
890-8555-7	HA - 4	Solid	08/01/25 08:30	08/01/25 13:51	0.5
890-8555-8	HA - 4	Solid	08/01/25 08:35	08/01/25 13:51	4
890-8555-9	HA - 5	Solid	08/01/25 08:40	08/01/25 13:51	0.5
890-8555-10	HA - 5	Solid	08/01/25 08:45	08/01/25 13:51	4
890-8555-11	HA - 6	Solid	08/01/25 08:50	08/01/25 13:51	0.5
890-8555-12	HA - 6	Solid	08/01/25 08:55	08/01/25 13:51	4
890-8555-13	HA - 7	Solid	08/01/25 09:00	08/01/25 13:51	0.5
890-8555-14	HA - 7	Solid	08/01/25 09:05	08/01/25 13:51	3
890-8555-15	HA - 8	Solid	08/01/25 09:10	08/01/25 13:51	0.5
890-8555-16	HA - 8	Solid	08/01/25 09:15	08/01/25 13:51	4

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

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 ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Johnston BE Battery 6 PVC Line	**Turn Around**	
Project Number:	6874	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-2.4
Total Containers:		Corrected Temperature:	-2.2

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

890-8555 Chain of Custody

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	8.1.25	8:00	0.5	Grab/	1	X	X	X			Incident Number
HA-1	S	8.1.25	8:05	4	Grab/	1	X	X	X			nJMW1323539109/RP-1858
HA-2	S	8.1.25	8:10	0.5	Grab/	1	X	X	X			
HA-2	S	8.1.25	8:15	3	Grab/	1	X	X	X			
HA-3	S	8.1.25	8:20	0.5	Grab/	1	X	X	X			
HA-3	S	8.1.25	8:25	4	Grab/	1	X	X	X			
HA-4	S	8.1.25	8:30	0.5	Grab/	1	X	X	X			
HA-4	S	8.1.25	8:35	4	Grab/	1	X	X	X			
HA-5	S	8.1.25	8:40	0.5	Grab/	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		8/1 1351	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

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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 ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Johnston BE Battery 6 PVC Line	**Turn Around**	
Project Number:	6874	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.4
Total Containers:		Corrected Temperature:	-2.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	Pres. Code	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Sample Comments
HA-5	S	8.1.25	8:45	4	Grab/		1	X	X	X			Incident Number
HA-6	S	8.1.25	8:50	0.5	Grab/		1	X	X	X			nJMW1323539109/RP-1858
HA-6	S	8.1.25	8:55	4	Grab/		1	X	X	X			
HA-7	S	8.1.25	9:00	0.5	Grab/		1	X	X	X			
HA-7	S	8.1.25	9:05	3	Grab/		1	X	X	X			
HA-8	S	8.1.25	9:10	0.5	Grab/		1	X	X	X			
HA-8	S	8.1.25	9:15	4	Grab/		1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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
0		8/1 1351	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8555-1
SDG Number: Eddy County, NM

Login Number: 8555
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8555-1
SDG Number: Eddy County, NM

Login Number: 8555
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 08/04/25 08:41 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/25/2025 12:48:10 PM

JOB DESCRIPTION

Johnston BE Battery 6 PVC Line
Eddy County, NM

JOB NUMBER

890-8714-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

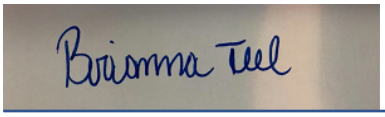
Eurofins Carlsbad

Job Notes

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

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

Authorization



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

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Laboratory Job ID: 890-8714-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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 Job ID: 890-8714-1
Project: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1 Eurofins Carlsbad

Job Narrative
890-8714-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/21/2025 2:45 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 -6.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 (890-8714-1), HA - 1 (890-8714-2) and HA - 1 (890-8714-3).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-117214 and analytical batch 880-117423 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 1 (890-8714-1), HA - 1 (890-8714-2), HA - 1 (890-8714-3), (CCV 880-117423/20), (CCV 880-117423/33), (CCV 880-117423/51), (LCS 880-117390/1-A), (LCSD 880-117390/2-A), (MB 880-117390/5-A), (890-8714-A-1-C MS) and (890-8714-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117390 and analytical batch 880-117423 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-117390 and analytical batch 880-117423 recovered outside control limits for the following analytes: Ethylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-117390 and analytical batch 880-117423 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8714-1
Matrix: Solid
Date Collected: 08/21/25 10:00
Date Received: 08/21/25 14:45
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:42	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/25 11:54	08/24/25 10:42	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/25 11:54	08/24/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 10:42*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*08/22/25 11:54*	*08/24/25 10:42*	*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			08/24/25 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/24/25 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 00:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 00:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/21/25 08:23*	*08/24/25 00:33*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/21/25 08:23*	*08/24/25 00:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4360**		50.5		mg/Kg			08/22/25 23:01	5

Client Sample ID: HA - 1

Lab Sample ID: 890-8714-2
Matrix: Solid
Date Collected: 08/21/25 10:05
Date Received: 08/21/25 14:45
Sample Depth: 8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 11:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 11:03	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		08/22/25 11:54	08/24/25 11:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 11:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 11:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 11:03*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Lab Sample ID: 890-8714-2
Matrix: Solid
Date Collected: 08/21/25 10:05
Date Received: 08/21/25 14:45
Sample Depth: 8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/22/25 11:54*	*08/24/25 11:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 11:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/25 00:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 00:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 00:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*92*		*70 - 130*	*08/21/25 08:23*	*08/24/25 00:49*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/21/25 08:23*	*08/24/25 00:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2430**		50.3		mg/Kg			08/22/25 23:07	5

Client Sample ID: HA - 1

Lab Sample ID: 890-8714-3
Matrix: Solid
Date Collected: 08/21/25 10:10
Date Received: 08/21/25 14:45
Sample Depth: 12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/25 11:54	08/24/25 11:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/25 11:54	08/24/25 11:23	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		08/22/25 11:54	08/24/25 11:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/22/25 11:54	08/24/25 11:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/25 11:54	08/24/25 11:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/22/25 11:54	08/24/25 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 11:23*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 11:23*	*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			08/24/25 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/24/25 01:04	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Date Collected: 08/21/25 10:10
Date Received: 08/21/25 14:45
Sample Depth: 12

Lab Sample ID: 890-8714-3

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	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 01:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 01:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/21/25 08:23*	*08/24/25 01:04*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/21/25 08:23*	*08/24/25 01:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**831**		9.90		mg/Kg			08/22/25 23:12	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8714-1	HA - 1	150 S1+	87
890-8714-1 MS	HA - 1	136 S1+	88
890-8714-1 MSD	HA - 1	145 S1+	88
890-8714-2	HA - 1	139 S1+	86
890-8714-3	HA - 1	142 S1+	84
LCS 880-117390/1-A	Lab Control Sample	139 S1+	89
LCSD 880-117390/2-A	Lab Control Sample Dup	142 S1+	89
MB 880-117214/5-A	Method Blank	135 S1+	80
MB 880-117390/5-A	Method Blank	136 S1+	82

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8714-1	HA - 1	94	97
890-8714-2	HA - 1	92	95
890-8714-3	HA - 1	92	94
LCS 880-117199/2-A	Lab Control Sample	79	88
LCSD 880-117199/3-A	Lab Control Sample Dup	94	88
MB 880-117199/1-A	Method Blank	74	75

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117214/5-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/23/25 23:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*08/21/25 10:01*	*08/23/25 23:22*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/21/25 10:01*	*08/23/25 23:22*	*1*

Lab Sample ID: MB 880-117390/5-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/25 11:54	08/24/25 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 10:20*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/22/25 11:54*	*08/24/25 10:20*	*1*

Lab Sample ID: LCS 880-117390/1-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117390

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	0.1002		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1616	*+	mg/Kg		162	70 - 130
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130
o-Xylene	0.100	0.08482		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-117390/2-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117390

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	2	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-117390/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 117423 — **Prep Batch: 117390**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1044		mg/Kg		104	70 - 130	4	35
Ethylbenzene			0.100	0.1120	*1	mg/Kg		112	70 - 130	36	35
m-Xylene & p-Xylene			0.200	0.2213		mg/Kg		111	70 - 130	8	35
o-Xylene			0.100	0.09106		mg/Kg		91	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-8714-1 MS — **Client Sample ID: HA - 1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 117423 — **Prep Batch: 117390**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09511		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.09230		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U *+ *1	0.100	0.09628		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1887		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.07717		mg/Kg		77	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 890-8714-1 MSD — **Client Sample ID: HA - 1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 117423 — **Prep Batch: 117390**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.07345		mg/Kg		73	70 - 130	26	35
Toluene	<0.00200	U	0.100	0.07313		mg/Kg		73	70 - 130	23	35
Ethylbenzene	<0.00200	U *+ *1	0.100	0.07675		mg/Kg		77	70 - 130	23	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1518		mg/Kg		76	70 - 130	22	35
o-Xylene	<0.00200	U F1	0.100	0.06428	F1	mg/Kg		64	70 - 130	18	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

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

Lab Sample ID: MB 880-117199/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 117411 — **Prep Batch: 117199**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-117199/1-A
Matrix: Solid
Analysis Batch: 117411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*08/21/25 08:23*	*08/23/25 20:24*	*1*
o-Terphenyl	*75*		*70 - 130*	*08/21/25 08:23*	*08/23/25 20:24*	*1*

Lab Sample ID: LCS 880-117199/2-A
Matrix: Solid
Analysis Batch: 117411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117199

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	904.3		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	923.5		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: LCSD 880-117199/3-A
Matrix: Solid
Analysis Batch: 117411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117199

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	882.7		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	860.3		mg/Kg		86	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117352/1-A
Matrix: Solid
Analysis Batch: 117394

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/22/25 20:34	1

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-117352/2-A
Matrix: Solid
Analysis Batch: 117394

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.3		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-117352/3-A
Matrix: Solid
Analysis Batch: 117394

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	239.1		mg/Kg		96	90 - 110	1	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 117214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-117214/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 117390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8714-1	HA - 1	Total/NA	Solid	5035	
890-8714-2	HA - 1	Total/NA	Solid	5035	
890-8714-3	HA - 1	Total/NA	Solid	5035	
MB 880-117390/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117390/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117390/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8714-1 MS	HA - 1	Total/NA	Solid	5035	
890-8714-1 MSD	HA - 1	Total/NA	Solid	5035	

Analysis Batch: 117423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8714-1	HA - 1	Total/NA	Solid	8021B	117390
890-8714-2	HA - 1	Total/NA	Solid	8021B	117390
890-8714-3	HA - 1	Total/NA	Solid	8021B	117390
MB 880-117214/5-A	Method Blank	Total/NA	Solid	8021B	117214
MB 880-117390/5-A	Method Blank	Total/NA	Solid	8021B	117390
LCS 880-117390/1-A	Lab Control Sample	Total/NA	Solid	8021B	117390
LCSD 880-117390/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117390
890-8714-1 MS	HA - 1	Total/NA	Solid	8021B	117390
890-8714-1 MSD	HA - 1	Total/NA	Solid	8021B	117390

Analysis Batch: 117500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8714-1	HA - 1	Total/NA	Solid	Total BTEX	
890-8714-2	HA - 1	Total/NA	Solid	Total BTEX	
890-8714-3	HA - 1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 117199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8714-1	HA - 1	Total/NA	Solid	8015NM Prep	
890-8714-2	HA - 1	Total/NA	Solid	8015NM Prep	
890-8714-3	HA - 1	Total/NA	Solid	8015NM Prep	
MB 880-117199/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117199/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8714-1	HA - 1	Total/NA	Solid	8015B NM	117199
890-8714-2	HA - 1	Total/NA	Solid	8015B NM	117199
890-8714-3	HA - 1	Total/NA	Solid	8015B NM	117199
MB 880-117199/1-A	Method Blank	Total/NA	Solid	8015B NM	117199
LCS 880-117199/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117199
LCSD 880-117199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117199

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

GC Semi VOA

Analysis Batch: 117468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8714-1	HA - 1	Total/NA	Solid	8015 NM	
890-8714-2	HA - 1	Total/NA	Solid	8015 NM	
890-8714-3	HA - 1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 117352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8714-1	HA - 1	Soluble	Solid	DI Leach	
890-8714-2	HA - 1	Soluble	Solid	DI Leach	
890-8714-3	HA - 1	Soluble	Solid	DI Leach	
MB 880-117352/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117352/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117352/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 117394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8714-1	HA - 1	Soluble	Solid	300.0	117352
890-8714-2	HA - 1	Soluble	Solid	300.0	117352
890-8714-3	HA - 1	Soluble	Solid	300.0	117352
MB 880-117352/1-A	Method Blank	Soluble	Solid	300.0	117352
LCS 880-117352/2-A	Lab Control Sample	Soluble	Solid	300.0	117352
LCSD 880-117352/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117352

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Client Sample ID: HA - 1

Date Collected: 08/21/25 10:00
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8714-1

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			5.01 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 10:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117500	08/24/25 10:42	SA	EET MID
Total/NA	Analysis	8015 NM		1			117468	08/24/25 00:33	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 00:33	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	117352	08/22/25 10:20	SI	EET MID
Soluble	Analysis	300.0		5			117394	08/22/25 23:01	CS	EET MID

Client Sample ID: HA - 1

Date Collected: 08/21/25 10:05
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8714-2

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	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 11:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117500	08/24/25 11:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			117468	08/24/25 00:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 00:49	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	117352	08/22/25 10:20	SI	EET MID
Soluble	Analysis	300.0		5			117394	08/22/25 23:07	CS	EET MID

Client Sample ID: HA - 1

Date Collected: 08/21/25 10:10
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8714-3

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	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 11:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117500	08/24/25 11:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			117468	08/24/25 01:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 01:04	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	117352	08/22/25 10:20	SI	EET MID
Soluble	Analysis	300.0		1			117394	08/22/25 23:12	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8714-1
Project/Site: Johnston BE Battery 6 PVC Line
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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
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: Johnston BE Battery 6 PVC Line

Job ID: 890-8714-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8714-1	HA - 1	Solid	08/21/25 10:00	08/21/25 14:45	6
890-8714-2	HA - 1	Solid	08/21/25 10:05	08/21/25 14:45	8
890-8714-3	HA - 1	Solid	08/21/25 10:10	08/21/25 14:45	12

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Chain of Custody

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

Work Order No: _____

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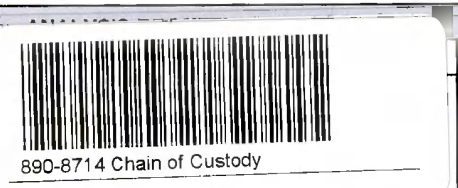
Project Manager:	Gilbert Moreno	Bill to: (if different)	Earth Systems R&R
Company Name:	Earth Systems R&R	Company Name:	
Address:	1910 Resource Ct.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	832-541-7719	Email:	gmoreno@earthsys.net

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Johnston BE Battery 6 PVC Line	**Turn Around**	
Project Number:	6874	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-6.4	
Total Containers:		Corrected Temperature:	-6.2	



Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
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
HA-1	S	8.21.25	10:00	6	Grab/	1	X	X	X			**Incident Number**
HA-1	S	8.21.25	10:05	8	Grab/	1	X	X	X			nJMW1323539109/RP-1858
HA-1	S	8.21.25	10:10	12	Grab/	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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
0		8/21 1445	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8714-1
SDG Number: Eddy County, NM

Login Number: 8714
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8714-1
SDG Number: Eddy County, NM

Login Number: 8714
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 08/22/25 08:17 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/26/2025 10:13:15 AM

JOB DESCRIPTION

Johnston BE Battery 6 PVC Line
Eddy County, NM

JOB NUMBER

890-8715-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

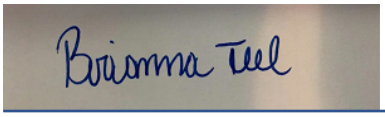
Eurofins Carlsbad

Job Notes

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

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

Authorization



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8/26/2025 10:13:15 AM

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

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Laboratory Job ID: 890-8715-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD 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.
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 Job ID: 890-8715-1
Project: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1 Eurofins Carlsbad

Job Narrative
890-8715-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/21/2025 2:45 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 -6.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 2 (890-8715-1), HA - 2 (890-8715-2), HA - 3 (890-8715-3), HA - 3 (890-8715-4), HA - 3 (890-8715-5), HA - 6 (890-8715-6), HA - 6 (890-8715-7), HA - 7 (890-8715-8), HA - 7 (890-8715-9) and HA - 7 (890-8715-10).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-117214 and analytical batch 880-117423 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA - 2 (890-8715-1), HA - 2 (890-8715-2), HA - 3 (890-8715-3), HA - 3 (890-8715-4), HA - 3 (890-8715-5), HA - 6 (890-8715-6), HA - 6 (890-8715-7), HA - 7 (890-8715-8), HA - 7 (890-8715-9), HA - 7 (890-8715-10), (CCV 880-117423/20), (CCV 880-117423/33), (CCV 880-117423/51), (CCV 880-117423/64), (LCS 880-117390/1-A), (LCSD 880-117390/2-A), (MB 880-117390/5-A), (890-8714-A-1-E), (890-8714-A-1-C MS) and (890-8714-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-117390 and analytical batch 880-117423 recovered outside control limits for the following analytes: Ethylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-117390 and analytical batch 880-117423 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: (890-8715-A-8-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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8715-1
Matrix: Solid
Date Collected: 08/21/25 10:15
Date Received: 08/21/25 14:45
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 11:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 11:44	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		08/22/25 11:54	08/24/25 11:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 11:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 11:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 11:44*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 11:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/25 01:20	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		08/21/25 08:23	08/24/25 01:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/24/25 01:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/24/25 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/21/25 08:23*	*08/24/25 01:20*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/21/25 08:23*	*08/24/25 01:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		10.0		mg/Kg			08/22/25 23:18	1

Client Sample ID: HA - 2

Lab Sample ID: 890-8715-2
Matrix: Solid
Date Collected: 08/21/25 10:20
Date Received: 08/21/25 14:45
Sample Depth: 8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 12:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 12:04	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		08/22/25 11:54	08/24/25 12:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/25 11:54	08/24/25 12:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 12:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/25 11:54	08/24/25 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 12:04*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Lab Sample ID: 890-8715-2
Matrix: Solid
Date Collected: 08/21/25 10:20
Date Received: 08/21/25 14:45
Sample Depth: 8

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/22/25 11:54*	*08/24/25 12:04*	*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			08/24/25 12:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/25 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 01:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 01:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/21/25 08:23*	*08/24/25 01:35*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/21/25 08:23*	*08/24/25 01:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**393**		9.98		mg/Kg			08/22/25 23:24	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8715-3
Matrix: Solid
Date Collected: 08/21/25 10:25
Date Received: 08/21/25 14:45
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 12:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 12:24	1
Ethylbenzene	<0.00198	U *+ *1	0.00198		mg/Kg		08/22/25 11:54	08/24/25 12:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/22/25 11:54	08/24/25 12:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 12:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/22/25 11:54	08/24/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 12:24*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 12:24*	*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			08/24/25 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/25 01:51	1

Eurofins Carlsbad

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8715-3
Matrix: Solid
Date Collected: 08/21/25 10:25
Date Received: 08/21/25 14:45
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 01:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/21/25 08:23*	*08/24/25 01:51*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/21/25 08:23*	*08/24/25 01:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1720**		50.2		mg/Kg			08/22/25 17:32	5

Client Sample ID: HA - 3

Lab Sample ID: 890-8715-4
Matrix: Solid
Date Collected: 08/21/25 10:30
Date Received: 08/21/25 14:45
Sample Depth: 8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 12:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 12:45	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		08/22/25 11:54	08/24/25 12:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/25 11:54	08/24/25 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 12:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/25 11:54	08/24/25 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 12:45*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/22/25 11:54*	*08/24/25 12:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/24/25 12:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/24/25 02:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/24/25 02:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/24/25 02:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/21/25 08:23	08/24/25 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/21/25 08:23*	*08/24/25 02:06*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/21/25 08:23*	*08/24/25 02:06*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 3

Lab Sample ID: 890-8715-4
Matrix: Solid
Date Collected: 08/21/25 10:30
Date Received: 08/21/25 14:45
Sample Depth: 8

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	921		9.96		mg/Kg			08/22/25 17:49	1

Client Sample ID: HA - 3

Lab Sample ID: 890-8715-5
Matrix: Solid
Date Collected: 08/21/25 10:35
Date Received: 08/21/25 14:45
Sample Depth: 10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 13:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 13:05	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		08/22/25 11:54	08/24/25 13:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 13:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 13:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 13:05*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 13:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/24/25 02:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 02:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/21/25 08:23*	*08/24/25 02:22*	*1*
o-Terphenyl	*92*		*70 - 130*	*08/21/25 08:23*	*08/24/25 02:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	276		10.1		mg/Kg			08/22/25 17:55	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8715-6
Matrix: Solid
Date Collected: 08/21/25 10:40
Date Received: 08/21/25 14:45
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/22/25 11:54	08/24/25 13:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/25 11:54	08/24/25 13:26	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		08/22/25 11:54	08/24/25 13:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/22/25 11:54	08/24/25 13:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/25 11:54	08/24/25 13:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/22/25 11:54	08/24/25 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 13:26*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 13:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/24/25 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	<49.8	U	49.8		mg/Kg			08/24/25 02:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 02:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 02:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/21/25 08:23	08/24/25 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*08/21/25 08:23*	*08/24/25 02:37*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/21/25 08:23*	*08/24/25 02:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**514**		10.0		mg/Kg			08/22/25 18:01	1

Client Sample ID: HA - 6

Lab Sample ID: 890-8715-7
Matrix: Solid
Date Collected: 08/21/25 10:45
Date Received: 08/21/25 14:45
Sample Depth: 8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 13:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 13:46	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		08/22/25 11:54	08/24/25 13:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/25 11:54	08/24/25 13:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 13:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/25 11:54	08/24/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 13:46*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Lab Sample ID: 890-8715-7
Matrix: Solid
Date Collected: 08/21/25 10:45
Date Received: 08/21/25 14:45
Sample Depth: 8

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/22/25 11:54*	*08/24/25 13:46*	*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			08/24/25 13:46	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			08/24/25 02:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 02:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 02:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/24/25 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*08/21/25 08:23*	*08/24/25 02:53*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/21/25 08:23*	*08/24/25 02:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**327**		9.90		mg/Kg			08/22/25 18:06	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8715-8
Matrix: Solid
Date Collected: 08/21/25 10:50
Date Received: 08/21/25 14:45
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 15:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 15:21	1
Ethylbenzene	<0.00198	U *+ *1	0.00198		mg/Kg		08/22/25 11:54	08/24/25 15:21	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/22/25 11:54	08/24/25 15:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 15:21	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/22/25 11:54	08/24/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 15:21*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*08/22/25 11:54*	*08/24/25 15:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/24/25 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/25 02:59	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8715-8
Matrix: Solid
Date Collected: 08/21/25 10:50
Date Received: 08/21/25 14:45
Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 02:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 02:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*08/22/25 07:49*	*08/26/25 02:59*	*1*
o-Terphenyl	*72*		*70 - 130*	*08/22/25 07:49*	*08/26/25 02:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1870**		50.5		mg/Kg			08/22/25 18:23	5

Client Sample ID: HA - 7

Lab Sample ID: 890-8715-9
Matrix: Solid
Date Collected: 08/21/25 10:55
Date Received: 08/21/25 14:45
Sample Depth: 8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 15:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 15:41	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		08/22/25 11:54	08/24/25 15:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 15:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 15:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 15:41*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/22/25 11:54*	*08/24/25 15:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/26/25 03:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/22/25 07:49	08/26/25 03:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/22/25 07:49	08/26/25 03:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/22/25 07:49	08/26/25 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*08/22/25 07:49*	*08/26/25 03:47*	*1*
o-Terphenyl	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 03:47*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 7

Lab Sample ID: 890-8715-9
Matrix: Solid
Date Collected: 08/21/25 10:55
Date Received: 08/21/25 14:45
Sample Depth: 8

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	617		10.1		mg/Kg			08/22/25 18:29	1

Client Sample ID: HA - 7

Lab Sample ID: 890-8715-10
Matrix: Solid
Date Collected: 08/21/25 11:00
Date Received: 08/21/25 14:45
Sample Depth: 10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 16:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 16:02	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		08/22/25 11:54	08/24/25 16:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 16:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 16:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 16:02*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*08/22/25 11:54*	*08/24/25 16:02*	*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			08/24/25 16:02	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			08/26/25 04:02	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		08/22/25 07:49	08/26/25 04:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 04:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 04:02*	*1*
o-Terphenyl	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 04:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		9.96		mg/Kg			08/22/25 18:35	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8715-1	HA - 2	144 S1+	84
890-8715-2	HA - 2	140 S1+	86
890-8715-3	HA - 3	143 S1+	84
890-8715-4	HA - 3	140 S1+	85
890-8715-5	HA - 3	146 S1+	84
890-8715-6	HA - 6	140 S1+	84
890-8715-7	HA - 6	150 S1+	85
890-8715-8	HA - 7	149 S1+	88
890-8715-9	HA - 7	139 S1+	82
890-8715-10	HA - 7	140 S1+	85
LCS 880-117390/1-A	Lab Control Sample	139 S1+	89
LCSD 880-117390/2-A	Lab Control Sample Dup	142 S1+	89
MB 880-117214/5-A	Method Blank	135 S1+	80
MB 880-117390/5-A	Method Blank	136 S1+	82

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-8715-1	HA - 2	92	95
890-8715-2	HA - 2	93	96
890-8715-3	HA - 3	94	96
890-8715-4	HA - 3	92	95
890-8715-5	HA - 3	90	92
890-8715-6	HA - 6	95	98
890-8715-7	HA - 6	88	90
890-8715-8	HA - 7	73	72
890-8715-8 MS	HA - 7	69 S1-	74
890-8715-8 MSD	HA - 7	84	75
890-8715-9	HA - 7	73	74
890-8715-10	HA - 7	74	74
LCS 880-117199/2-A	Lab Control Sample	79	88
LCS 880-117339/2-A	Lab Control Sample	99	113
LCSD 880-117199/3-A	Lab Control Sample Dup	94	88
LCSD 880-117339/3-A	Lab Control Sample Dup	99	114
MB 880-117199/1-A	Method Blank	74	75
MB 880-117339/1-A	Method Blank	86	89

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117214/5-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/23/25 23:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*08/21/25 10:01*	*08/23/25 23:22*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/21/25 10:01*	*08/23/25 23:22*	*1*

Lab Sample ID: MB 880-117390/5-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/25 11:54	08/24/25 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 10:20*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/22/25 11:54*	*08/24/25 10:20*	*1*

Lab Sample ID: LCS 880-117390/1-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117390

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	0.1002		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1616	*+	mg/Kg		162	70 - 130
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130
o-Xylene	0.100	0.08482		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-117390/2-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117390

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	2	35

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-117390/2-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117390

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1044		mg/Kg		104	70 - 130	4	35
Ethylbenzene			0.100	0.1120	*1	mg/Kg		112	70 - 130	36	35
m-Xylene & p-Xylene			0.200	0.2213		mg/Kg		111	70 - 130	8	35
o-Xylene			0.100	0.09106		mg/Kg		91	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

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

Lab Sample ID: MB 880-117199/1-A
Matrix: Solid
Analysis Batch: 117411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/21/25 08:23	08/23/25 20:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*08/21/25 08:23*	*08/23/25 20:24*	*1*
o-Terphenyl	*75*		*70 - 130*	*08/21/25 08:23*	*08/23/25 20:24*	*1*

Lab Sample ID: LCS 880-117199/2-A
Matrix: Solid
Analysis Batch: 117411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117199

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	904.3		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)			1000	923.5		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: LCSD 880-117199/3-A
Matrix: Solid
Analysis Batch: 117411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117199

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	882.7		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	860.3		mg/Kg		86	70 - 130	7	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-117199/3-A
Matrix: Solid
Analysis Batch: 117411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117199

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: MB 880-117339/1-A
Matrix: Solid
Analysis Batch: 117448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 07:48	08/26/25 02:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 07:48	08/26/25 02:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 07:48	08/26/25 02:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	08/22/25 07:48	08/26/25 02:12	1
o-Terphenyl	89		70 - 130	08/22/25 07:48	08/26/25 02:12	1

Lab Sample ID: LCS 880-117339/2-A
Matrix: Solid
Analysis Batch: 117448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1016		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1018		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-117339/3-A
Matrix: Solid
Analysis Batch: 117448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117339

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1032		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1024		mg/Kg		102	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	114		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

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

Lab Sample ID: 890-8715-8 MS
Matrix: Solid
Analysis Batch: 117448

Client Sample ID: HA - 7
Prep Type: Total/NA
Prep Batch: 117339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	848.4		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	857.8		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*69*	*S1-*	*70 - 130*
o-Terphenyl	*74*		*70 - 130*

Lab Sample ID: 890-8715-8 MSD
Matrix: Solid
Analysis Batch: 117448

Client Sample ID: HA - 7
Prep Type: Total/NA
Prep Batch: 117339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	830.4		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	801.0		mg/Kg		80	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117352/1-A
Matrix: Solid
Analysis Batch: 117394

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/22/25 20:34	1

Lab Sample ID: LCS 880-117352/2-A
Matrix: Solid
Analysis Batch: 117394

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.3		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-117352/3-A
Matrix: Solid
Analysis Batch: 117394

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	239.1		mg/Kg		96	90 - 110	1	20

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-117356/1-A
Matrix: Solid
Analysis Batch: 117399

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/22/25 17:15	1

Lab Sample ID: LCS 880-117356/2-A
Matrix: Solid
Analysis Batch: 117399

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-117356/3-A
Matrix: Solid
Analysis Batch: 117399

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	236.3		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 890-8715-3 MS
Matrix: Solid
Analysis Batch: 117399

Client Sample ID: HA - 3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1720		1260	3053		mg/Kg		106	90 - 110		

Lab Sample ID: 890-8715-3 MSD
Matrix: Solid
Analysis Batch: 117399

Client Sample ID: HA - 3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1720		1260	3059		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 117214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-117214/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 117390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-1	HA - 2	Total/NA	Solid	5035	
890-8715-2	HA - 2	Total/NA	Solid	5035	
890-8715-3	HA - 3	Total/NA	Solid	5035	
890-8715-4	HA - 3	Total/NA	Solid	5035	
890-8715-5	HA - 3	Total/NA	Solid	5035	
890-8715-6	HA - 6	Total/NA	Solid	5035	
890-8715-7	HA - 6	Total/NA	Solid	5035	
890-8715-8	HA - 7	Total/NA	Solid	5035	
890-8715-9	HA - 7	Total/NA	Solid	5035	
890-8715-10	HA - 7	Total/NA	Solid	5035	
MB 880-117390/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117390/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117390/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 117423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-1	HA - 2	Total/NA	Solid	8021B	117390
890-8715-2	HA - 2	Total/NA	Solid	8021B	117390
890-8715-3	HA - 3	Total/NA	Solid	8021B	117390
890-8715-4	HA - 3	Total/NA	Solid	8021B	117390
890-8715-5	HA - 3	Total/NA	Solid	8021B	117390
890-8715-6	HA - 6	Total/NA	Solid	8021B	117390
890-8715-7	HA - 6	Total/NA	Solid	8021B	117390
890-8715-8	HA - 7	Total/NA	Solid	8021B	117390
890-8715-9	HA - 7	Total/NA	Solid	8021B	117390
890-8715-10	HA - 7	Total/NA	Solid	8021B	117390
MB 880-117214/5-A	Method Blank	Total/NA	Solid	8021B	117214
MB 880-117390/5-A	Method Blank	Total/NA	Solid	8021B	117390
LCS 880-117390/1-A	Lab Control Sample	Total/NA	Solid	8021B	117390
LCSD 880-117390/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117390

Analysis Batch: 117501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-1	HA - 2	Total/NA	Solid	Total BTEX	
890-8715-2	HA - 2	Total/NA	Solid	Total BTEX	
890-8715-3	HA - 3	Total/NA	Solid	Total BTEX	
890-8715-4	HA - 3	Total/NA	Solid	Total BTEX	
890-8715-5	HA - 3	Total/NA	Solid	Total BTEX	
890-8715-6	HA - 6	Total/NA	Solid	Total BTEX	
890-8715-7	HA - 6	Total/NA	Solid	Total BTEX	
890-8715-8	HA - 7	Total/NA	Solid	Total BTEX	
890-8715-9	HA - 7	Total/NA	Solid	Total BTEX	
890-8715-10	HA - 7	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

GC Semi VOA

Prep Batch: 117199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-1	HA - 2	Total/NA	Solid	8015NM Prep	
890-8715-2	HA - 2	Total/NA	Solid	8015NM Prep	
890-8715-3	HA - 3	Total/NA	Solid	8015NM Prep	
890-8715-4	HA - 3	Total/NA	Solid	8015NM Prep	
890-8715-5	HA - 3	Total/NA	Solid	8015NM Prep	
890-8715-6	HA - 6	Total/NA	Solid	8015NM Prep	
890-8715-7	HA - 6	Total/NA	Solid	8015NM Prep	
MB 880-117199/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117199/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 117339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-8	HA - 7	Total/NA	Solid	8015NM Prep	
890-8715-9	HA - 7	Total/NA	Solid	8015NM Prep	
890-8715-10	HA - 7	Total/NA	Solid	8015NM Prep	
MB 880-117339/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117339/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117339/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8715-8 MS	HA - 7	Total/NA	Solid	8015NM Prep	
890-8715-8 MSD	HA - 7	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-1	HA - 2	Total/NA	Solid	8015B NM	117199
890-8715-2	HA - 2	Total/NA	Solid	8015B NM	117199
890-8715-3	HA - 3	Total/NA	Solid	8015B NM	117199
890-8715-4	HA - 3	Total/NA	Solid	8015B NM	117199
890-8715-5	HA - 3	Total/NA	Solid	8015B NM	117199
890-8715-6	HA - 6	Total/NA	Solid	8015B NM	117199
890-8715-7	HA - 6	Total/NA	Solid	8015B NM	117199
MB 880-117199/1-A	Method Blank	Total/NA	Solid	8015B NM	117199
LCS 880-117199/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117199
LCSD 880-117199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117199

Analysis Batch: 117448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-8	HA - 7	Total/NA	Solid	8015B NM	117339
890-8715-9	HA - 7	Total/NA	Solid	8015B NM	117339
890-8715-10	HA - 7	Total/NA	Solid	8015B NM	117339
MB 880-117339/1-A	Method Blank	Total/NA	Solid	8015B NM	117339
LCS 880-117339/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117339
LCSD 880-117339/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117339
890-8715-8 MS	HA - 7	Total/NA	Solid	8015B NM	117339
890-8715-8 MSD	HA - 7	Total/NA	Solid	8015B NM	117339

Analysis Batch: 117469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-1	HA - 2	Total/NA	Solid	8015 NM	
890-8715-2	HA - 2	Total/NA	Solid	8015 NM	
890-8715-3	HA - 3	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 117469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-4	HA - 3	Total/NA	Solid	8015 NM	
890-8715-5	HA - 3	Total/NA	Solid	8015 NM	
890-8715-6	HA - 6	Total/NA	Solid	8015 NM	
890-8715-7	HA - 6	Total/NA	Solid	8015 NM	
890-8715-8	HA - 7	Total/NA	Solid	8015 NM	
890-8715-9	HA - 7	Total/NA	Solid	8015 NM	
890-8715-10	HA - 7	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 117352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-1	HA - 2	Soluble	Solid	DI Leach	
890-8715-2	HA - 2	Soluble	Solid	DI Leach	
MB 880-117352/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117352/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117352/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 117356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-3	HA - 3	Soluble	Solid	DI Leach	
890-8715-4	HA - 3	Soluble	Solid	DI Leach	
890-8715-5	HA - 3	Soluble	Solid	DI Leach	
890-8715-6	HA - 6	Soluble	Solid	DI Leach	
890-8715-7	HA - 6	Soluble	Solid	DI Leach	
890-8715-8	HA - 7	Soluble	Solid	DI Leach	
890-8715-9	HA - 7	Soluble	Solid	DI Leach	
890-8715-10	HA - 7	Soluble	Solid	DI Leach	
MB 880-117356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8715-3 MS	HA - 3	Soluble	Solid	DI Leach	
890-8715-3 MSD	HA - 3	Soluble	Solid	DI Leach	

Analysis Batch: 117394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-1	HA - 2	Soluble	Solid	300.0	117352
890-8715-2	HA - 2	Soluble	Solid	300.0	117352
MB 880-117352/1-A	Method Blank	Soluble	Solid	300.0	117352
LCS 880-117352/2-A	Lab Control Sample	Soluble	Solid	300.0	117352
LCSD 880-117352/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117352

Analysis Batch: 117399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-3	HA - 3	Soluble	Solid	300.0	117356
890-8715-4	HA - 3	Soluble	Solid	300.0	117356
890-8715-5	HA - 3	Soluble	Solid	300.0	117356
890-8715-6	HA - 6	Soluble	Solid	300.0	117356
890-8715-7	HA - 6	Soluble	Solid	300.0	117356
890-8715-8	HA - 7	Soluble	Solid	300.0	117356
890-8715-9	HA - 7	Soluble	Solid	300.0	117356

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 117399 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8715-10	HA - 7	Soluble	Solid	300.0	117356
MB 880-117356/1-A	Method Blank	Soluble	Solid	300.0	117356
LCS 880-117356/2-A	Lab Control Sample	Soluble	Solid	300.0	117356
LCSD 880-117356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117356
890-8715-3 MS	HA - 3	Soluble	Solid	300.0	117356
890-8715-3 MSD	HA - 3	Soluble	Solid	300.0	117356

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 2

Date Collected: 08/21/25 10:15
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-1

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	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 11:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/24/25 01:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 01:20	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117352	08/22/25 10:20	SI	EET MID
Soluble	Analysis	300.0		1			117394	08/22/25 23:18	CS	EET MID

Client Sample ID: HA - 2

Date Collected: 08/21/25 10:20
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 12:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 12:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/24/25 01:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 01:35	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	117352	08/22/25 10:20	SI	EET MID
Soluble	Analysis	300.0		1			117394	08/22/25 23:24	CS	EET MID

Client Sample ID: HA - 3

Date Collected: 08/21/25 10:25
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-3

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			5.05 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 12:24	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/24/25 01:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 01:51	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		5			117399	08/22/25 17:32	CS	EET MID

Client Sample ID: HA - 3

Date Collected: 08/21/25 10:30
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-4

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			5.01 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 12:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 12:45	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 3
Date Collected: 08/21/25 10:30
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-4
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			117469	08/24/25 02:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 02:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 17:49	CS	EET MID

Client Sample ID: HA - 3
Date Collected: 08/21/25 10:35
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 13:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/24/25 02:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 02:22	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 17:55	CS	EET MID

Client Sample ID: HA - 6
Date Collected: 08/21/25 10:40
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 13:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 13:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/24/25 02:37	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 02:37	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 18:01	CS	EET MID

Client Sample ID: HA - 6
Date Collected: 08/21/25 10:45
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 13:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/24/25 02:53	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117199	08/21/25 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117411	08/24/25 02:53	TKC	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Client Sample ID: HA - 6

Date Collected: 08/21/25 10:45
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 18:06	CS	EET MID

Client Sample ID: HA - 7

Date Collected: 08/21/25 10:50
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 15:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 15:21	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/26/25 02:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 02:59	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		5			117399	08/22/25 18:23	CS	EET MID

Client Sample ID: HA - 7

Date Collected: 08/21/25 10:55
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 15:41	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/26/25 03:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 03:47	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 18:29	CS	EET MID

Client Sample ID: HA - 7

Date Collected: 08/21/25 11:00
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8715-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 16:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117501	08/24/25 16:02	SA	EET MID
Total/NA	Analysis	8015 NM		1			117469	08/26/25 04:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 04:02	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 18:35	CS	EET MID

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8715-1
Project/Site: Johnston BE Battery 6 PVC Line
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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
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: Johnston BE Battery 6 PVC Line

Job ID: 890-8715-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8715-1	HA - 2	Solid	08/21/25 10:15	08/21/25 14:45	6
890-8715-2	HA - 2	Solid	08/21/25 10:20	08/21/25 14:45	8
890-8715-3	HA - 3	Solid	08/21/25 10:25	08/21/25 14:45	6
890-8715-4	HA - 3	Solid	08/21/25 10:30	08/21/25 14:45	8
890-8715-5	HA - 3	Solid	08/21/25 10:35	08/21/25 14:45	10
890-8715-6	HA - 6	Solid	08/21/25 10:40	08/21/25 14:45	6
890-8715-7	HA - 6	Solid	08/21/25 10:45	08/21/25 14:45	8
890-8715-8	HA - 7	Solid	08/21/25 10:50	08/21/25 14:45	6
890-8715-9	HA - 7	Solid	08/21/25 10:55	08/21/25 14:45	8
890-8715-10	HA - 7	Solid	08/21/25 11:00	08/21/25 14:45	10

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Johnston BE Battery 6 PVC Line	Turn Around	
Project Number:	6874	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Tamac
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-6.4
Total Containers:		Corrected Temperature:	-6.2

ANALYSIS REQUEST

890-8715 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
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
HA-2	S	8.21.25	10:15	6	Grab/	1	X	X	X			Incident Number
HA-2	S	8.21.25	10:20	8	Grab/	1	X	X	X			nJMW1323539109/RP-1858
HA-3	S	8.21.25	10:25	6	Grab/	1	X	X	X			
HA-3	S	8.21.25	10:30	8	Grab/	1	X	X	X			
HA-3	S	8.21.25	10:35	10	Grab/	1	X	X	X			
HA-6	S	8.21.25	10:40	6	Grab/	1	X	X	X			
HA-6	S	8.21.25	10:45	8	Grab/	1	X	X	X			
HA-7	S	8.21.25	10:50	6	Grab/	1	X	X	X			
HA-7	S	8.21.25	10:55	8	Grab/	1	X	X	X			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0		8/21 1445	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

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 ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Johnston BE Battery 6 PVC Line	**Turn Around**	
Project Number:	6874	☑ Routine ☐ Rush	
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TMAC
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-6.4
Total Containers:		Corrected Temperature:	-6.2

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	Pres. Code	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush	Parameters	Sample Comments
HA-7	S	8.21.25	11:00	10	Grab/	1		X	X	X				Incident Number
														nJMW1323539109/RP-1858

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed
Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
0			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5791.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8715-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 8/27/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: JOHNSTON BE BATTERY 6 PVC LINE	Project #: 88002337			Other: N/A
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=waste/oil, BT=Tissue, A=Air)	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:
			Preservation Code:										
HA - 2 (890-8715-1)	8/21/25	10:15 Mountain	G	Solid			X	X	X	X	X	1	
HA - 2 (890-8715-2)	8/21/25	10:20 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8715-3)	8/21/25	10:25 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8715-4)	8/21/25	10:30 Mountain	G	Solid			X	X	X	X	X	1	
HA - 3 (890-8715-5)	8/21/25	10:35 Mountain	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8715-6)	8/21/25	10:40 Mountain	G	Solid			X	X	X	X	X	1	
HA - 6 (890-8715-7)	8/21/25	10:45 Mountain	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8715-8)	8/21/25	10:50 Mountain	G	Solid			X	X	X	X	X	1	
HA - 7 (890-8715-9)	8/21/25	10:55 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 8/21 1630	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/22/25 0800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2/4.1 IR-8 (-0.1)

Ver: 10/10/2024

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5791.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8715-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 8/27/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: JOHNSTON BE BATTERY 6 PVC LINE	Project #: 88002337			
Site: N/A	SSOW#: N/A			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=waste/oil, BT=Tissue, A=Air)	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:
			Preservation Code:										
HA - 7 (890-8715-10)	8/21/25	11:00 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

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:	Method of Shipment:

Relinquished by:	Date/Time: 8/21 1630	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Tabby Randall Lee	Date/Time: 8/22/25 0800	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: 4.2/4.1 IR-8

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8715-1
SDG Number: Eddy County, NM

Login Number: 8715
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8715-1
SDG Number: Eddy County, NM

Login Number: 8715
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 08/22/25 08:17 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/26/2025 10:13:15 AM

JOB DESCRIPTION

Johnston BE Battery 6 PVC Line
Eddy County, NM

JOB NUMBER

890-8716-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

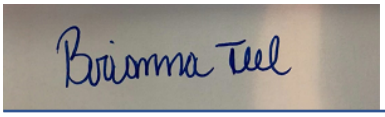
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
8/26/2025 10:13:15 AM

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

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Laboratory Job ID: 890-8716-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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 Job ID: 890-8716-1
Project: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1 Eurofins Carlsbad

Job Narrative
890-8716-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/21/2025 2:45 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 -6.2°C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-117391 and analytical batch 880-117424 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-117214 and analytical batch 880-117423 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA-9 (890-8716-1), HA-9 (890-8716-2), HA-10 (890-8716-3), HA-10 (890-8716-4), HA-11 (890-8716-5), HA-11 (890-8716-6), HA-12 (890-8716-7), (CCV 880-117423/20), (CCV 880-117423/33), (CCV 880-117423/51), (CCV 880-117423/64), (LCS 880-117390/1-A), (LCSD 880-117390/2-A), (MB 880-117390/5-A), (890-8714-A-1-E), (890-8714-A-1-C MS) and (890-8714-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-117390 and analytical batch 880-117423 recovered outside control limits for the following analytes: Ethylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-117390 and analytical batch 880-117423 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-8716-1
Matrix: Solid
Date Collected: 08/21/25 11:05
Date Received: 08/21/25 14:45
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 16:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 16:22	1
Ethylbenzene	<0.00198	U *+ *1	0.00198		mg/Kg		08/22/25 11:54	08/24/25 16:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/22/25 11:54	08/24/25 16:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 16:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/22/25 11:54	08/24/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 16:22*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 16:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/24/25 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/26/25 04:18	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	<50.1	U	50.1		mg/Kg		08/22/25 07:49	08/26/25 04:18	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/22/25 07:49	08/26/25 04:18	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/22/25 07:49	08/26/25 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 04:18*	*1*
o-Terphenyl	*72*		*70 - 130*	*08/22/25 07:49*	*08/26/25 04:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			08/22/25 18:40	1

Client Sample ID: HA-9

Lab Sample ID: 890-8716-2
Matrix: Solid
Date Collected: 08/21/25 11:10
Date Received: 08/21/25 14:45
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 16:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 16:43	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		08/22/25 11:54	08/24/25 16:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/25 11:54	08/24/25 16:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 16:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/25 11:54	08/24/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 16:43*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-9

Lab Sample ID: 890-8716-2
Matrix: Solid

Date Collected: 08/21/25 11:10
Date Received: 08/21/25 14:45
Sample Depth: 4

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 16:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/24/25 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/25 04:34	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	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 04:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 04:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 04:34*	*1*
o-Terphenyl	*72*		*70 - 130*	*08/22/25 07:49*	*08/26/25 04:34*	*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			08/22/25 18:46	1

Client Sample ID: HA-10

Lab Sample ID: 890-8716-3
Matrix: Solid

Date Collected: 08/21/25 11:15
Date Received: 08/21/25 14:45
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 17:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 17:03	1
Ethylbenzene	<0.00200	U *+ *1	0.00200		mg/Kg		08/22/25 11:54	08/24/25 17:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/25 11:54	08/24/25 17:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 17:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/25 11:54	08/24/25 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 17:03*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 17:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/24/25 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/25 04:50	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-10

Lab Sample ID: 890-8716-3
Matrix: Solid
Date Collected: 08/21/25 11:15
Date Received: 08/21/25 14:45
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 04:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 04:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*08/22/25 07:49*	*08/26/25 04:50*	*1*
o-Terphenyl	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 04:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			08/22/25 18:52	1

Client Sample ID: HA-10

Lab Sample ID: 890-8716-4
Matrix: Solid
Date Collected: 08/21/25 11:20
Date Received: 08/21/25 14:45
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 17:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 17:23	1
Ethylbenzene	<0.00201	U *+ *1	0.00201		mg/Kg		08/22/25 11:54	08/24/25 17:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 17:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/25 11:54	08/24/25 17:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/25 11:54	08/24/25 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 17:23*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/22/25 11:54*	*08/24/25 17:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/24/25 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/26/25 05:04	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	<50.1	U	50.1		mg/Kg		08/22/25 07:49	08/26/25 05:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/22/25 07:49	08/26/25 05:04	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/22/25 07:49	08/26/25 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*08/22/25 07:49*	*08/26/25 05:04*	*1*
o-Terphenyl	*75*		*70 - 130*	*08/22/25 07:49*	*08/26/25 05:04*	*1*

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-10

Lab Sample ID: 890-8716-4
Matrix: Solid
Date Collected: 08/21/25 11:20
Date Received: 08/21/25 14:45
Sample Depth: 4

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.3		10.1		mg/Kg			08/22/25 19:09	1

Client Sample ID: HA-11

Lab Sample ID: 890-8716-5
Matrix: Solid
Date Collected: 08/21/25 11:25
Date Received: 08/21/25 14:45
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		08/22/25 11:54	08/24/25 17:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/25 11:54	08/24/25 17:44	1
Ethylbenzene	<0.00202	U *+ *1	0.00202		mg/Kg		08/22/25 11:54	08/24/25 17:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/22/25 11:54	08/24/25 17:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/25 11:54	08/24/25 17:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/22/25 11:54	08/24/25 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 17:44*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/22/25 11:54*	*08/24/25 17:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/24/25 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/26/25 05:20	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	<49.6	U	49.6		mg/Kg		08/22/25 07:49	08/26/25 05:20	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/22/25 07:49	08/26/25 05:20	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/22/25 07:49	08/26/25 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 05:20*	*1*
o-Terphenyl	*73*		*70 - 130*	*08/22/25 07:49*	*08/26/25 05:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/22/25 19:14	1

Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-11

Lab Sample ID: 890-8716-6
Matrix: Solid
Date Collected: 08/21/25 11:30
Date Received: 08/21/25 14:45
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 18:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 18:04	1
Ethylbenzene	<0.00199	U *+ *1	0.00199		mg/Kg		08/22/25 11:54	08/24/25 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/25 11:54	08/24/25 18:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/25 11:54	08/24/25 18:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/25 11:54	08/24/25 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 18:04*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/22/25 11:54*	*08/24/25 18:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/24/25 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/25 05:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 05:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 05:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 05:35*	*1*
o-Terphenyl	*73*		*70 - 130*	*08/22/25 07:49*	*08/26/25 05:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			08/22/25 19:31	1

Client Sample ID: HA-12

Lab Sample ID: 890-8716-7
Matrix: Solid
Date Collected: 08/21/25 11:35
Date Received: 08/21/25 14:45
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 18:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 18:25	1
Ethylbenzene	<0.00198	U *+ *1	0.00198		mg/Kg		08/22/25 11:54	08/24/25 18:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/22/25 11:54	08/24/25 18:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/22/25 11:54	08/24/25 18:25	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/22/25 11:54	08/24/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 18:25*	*1*

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-8716-7
Matrix: Solid

Date Collected: 08/21/25 11:35
Date Received: 08/21/25 14:45
Sample Depth: 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/22/25 11:54*	*08/24/25 18:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/24/25 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	<50.0	U	50.0		mg/Kg			08/26/25 05:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 05:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 05:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 07:49	08/26/25 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*08/22/25 07:49*	*08/26/25 05:51*	*1*
o-Terphenyl	*72*		*70 - 130*	*08/22/25 07:49*	*08/26/25 05:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.6**		10.0		mg/Kg			08/22/25 19:37	1

Client Sample ID: HA-12

Lab Sample ID: 890-8716-8
Matrix: Solid

Date Collected: 08/21/25 11:40
Date Received: 08/21/25 14:45
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		08/22/25 11:58	08/24/25 10:05	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		08/22/25 11:58	08/24/25 10:05	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		08/22/25 11:58	08/24/25 10:05	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		08/22/25 11:58	08/24/25 10:05	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		08/22/25 11:58	08/24/25 10:05	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		08/22/25 11:58	08/24/25 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*08/22/25 11:58*	*08/24/25 10:05*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*08/22/25 11:58*	*08/24/25 10:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/24/25 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/25 06:21	1

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Client Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-12

Lab Sample ID: 890-8716-8
Matrix: Solid
Date Collected: 08/21/25 11:40
Date Received: 08/21/25 14:45
Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 06:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 06:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/22/25 07:49	08/26/25 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*08/22/25 07:49*	*08/26/25 06:21*	*1*
o-Terphenyl	*73*		*70 - 130*	*08/22/25 07:49*	*08/26/25 06:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.1**		9.96		mg/Kg			08/22/25 19:43	1

Surrogate Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
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)
890-8716-1	HA-9	144 S1+	84
890-8716-2	HA-9	152 S1+	84
890-8716-3	HA-10	144 S1+	84
890-8716-4	HA-10	140 S1+	84
890-8716-5	HA-11	143 S1+	83
890-8716-6	HA-11	150 S1+	83
890-8716-7	HA-12	155 S1+	83
890-8716-8	HA-12	117	91
890-8716-8 MS	HA-12	117	95
890-8716-8 MSD	HA-12	110	97
LCS 880-117390/1-A	Lab Control Sample	139 S1+	89
LCS 880-117391/1-A	Lab Control Sample	111	96
LCSD 880-117390/2-A	Lab Control Sample Dup	142 S1+	89
LCSD 880-117391/2-A	Lab Control Sample Dup	114	95
MB 880-117176/5-A	Method Blank	112	83
MB 880-117214/5-A	Method Blank	135 S1+	80
MB 880-117390/5-A	Method Blank	136 S1+	82
MB 880-117391/5-A	Method Blank	113	86

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8716-1	HA-9	74	72
890-8716-2	HA-9	74	72
890-8716-3	HA-10	75	74
890-8716-4	HA-10	76	75
890-8716-5	HA-11	74	73
890-8716-6	HA-11	74	73
890-8716-7	HA-12	73	72
890-8716-8	HA-12	74	73
LCS 880-117339/2-A	Lab Control Sample	99	113
LCSD 880-117339/3-A	Lab Control Sample Dup	99	114
MB 880-117339/1-A	Method Blank	86	89

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-117176/5-A
Matrix: Solid
Analysis Batch: 117424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/25 15:32	08/23/25 22:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/25 15:32	08/23/25 22:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/25 15:32	08/23/25 22:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/20/25 15:32	08/23/25 22:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/25 15:32	08/23/25 22:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/20/25 15:32	08/23/25 22:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*08/20/25 15:32*	*08/23/25 22:45*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/20/25 15:32*	*08/23/25 22:45*	*1*

Lab Sample ID: MB 880-117214/5-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/21/25 10:01	08/23/25 23:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/21/25 10:01	08/23/25 23:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*08/21/25 10:01*	*08/23/25 23:22*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/21/25 10:01*	*08/23/25 23:22*	*1*

Lab Sample ID: MB 880-117390/5-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:54	08/24/25 10:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/25 11:54	08/24/25 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*08/22/25 11:54*	*08/24/25 10:20*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/22/25 11:54*	*08/24/25 10:20*	*1*

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-117390/1-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117390

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	0.1002		mg/Kg		100	70 - 130		
Ethylbenzene			0.100	0.1616	*+	mg/Kg		162	70 - 130		
m-Xylene & p-Xylene			0.200	0.2051		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.08482		mg/Kg		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-117390/2-A
Matrix: Solid
Analysis Batch: 117423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117390

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1071		mg/Kg		107	70 - 130	2	35
Toluene			0.100	0.1044		mg/Kg		104	70 - 130	4	35
Ethylbenzene			0.100	0.1120	*1	mg/Kg		112	70 - 130	36	35
m-Xylene & p-Xylene			0.200	0.2213		mg/Kg		111	70 - 130	8	35
o-Xylene			0.100	0.09106		mg/Kg		91	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 880-117391/5-A
Matrix: Solid
Analysis Batch: 117424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:58	08/24/25 09:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:58	08/24/25 09:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:58	08/24/25 09:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/25 11:58	08/24/25 09:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/25 11:58	08/24/25 09:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/25 11:58	08/24/25 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*08/22/25 11:58*	*08/24/25 09:43*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*08/22/25 11:58*	*08/24/25 09:43*	*1*

Lab Sample ID: LCS 880-117391/1-A
Matrix: Solid
Analysis Batch: 117424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117391

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09367		mg/Kg		94	70 - 130		
Toluene			0.100	0.08705		mg/Kg		87	70 - 130		

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-117391/1-A
Matrix: Solid
Analysis Batch: 117424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117391

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			0.100	0.09828		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.1950		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09810		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-117391/2-A
Matrix: Solid
Analysis Batch: 117424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117391

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07966		mg/Kg		80	70 - 130	16	35
Toluene			0.100	0.07383		mg/Kg		74	70 - 130	16	35
Ethylbenzene			0.100	0.08344		mg/Kg		83	70 - 130	16	35
m-Xylene & p-Xylene			0.200	0.1649		mg/Kg		82	70 - 130	17	35
o-Xylene			0.100	0.08403		mg/Kg		84	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-8716-8 MS
Matrix: Solid
Analysis Batch: 117424

Client Sample ID: HA-12
Prep Type: Total/NA
Prep Batch: 117391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.100	0.06819	F1	mg/Kg		68	70 - 130		
Toluene	<0.00200	U F1	0.100	0.06369	F1	mg/Kg		64	70 - 130		
Ethylbenzene	<0.00200	U F1	0.100	0.07087		mg/Kg		71	70 - 130		
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1377	F1	mg/Kg		69	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.06853	F1	mg/Kg		69	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-8716-8 MSD
Matrix: Solid
Analysis Batch: 117424

Client Sample ID: HA-12
Prep Type: Total/NA
Prep Batch: 117391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.05574	F1	mg/Kg		56	70 - 130	20	35
Toluene	<0.00200	U F1	0.100	0.04918	F1	mg/Kg		49	70 - 130	26	35
Ethylbenzene	<0.00200	U F1	0.100	0.05435	F1	mg/Kg		54	70 - 130	26	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1068	F1	mg/Kg		53	70 - 130	25	35
o-Xylene	<0.00200	U F1	0.100	0.05573	F1	mg/Kg		56	70 - 130	21	35

Eurofins Carlsbad

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-117339/1-A
Matrix: Solid
Analysis Batch: 117448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/22/25 07:48	08/26/25 02:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/22/25 07:48	08/26/25 02:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/22/25 07:48	08/26/25 02:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	08/22/25 07:48	08/26/25 02:12	1
o-Terphenyl	89		70 - 130	08/22/25 07:48	08/26/25 02:12	1

Lab Sample ID: LCS 880-117339/2-A
Matrix: Solid
Analysis Batch: 117448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1016		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1018		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-117339/3-A
Matrix: Solid
Analysis Batch: 117448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117339

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1032		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1024		mg/Kg		102	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	114		70 - 130

QC Sample Results

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-117356/1-A
Matrix: Solid
Analysis Batch: 117399

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			08/22/25 17:15	1

Lab Sample ID: LCS 880-117356/2-A
Matrix: Solid
Analysis Batch: 117399

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Lab Sample ID: LCSD 880-117356/3-A
Matrix: Solid
Analysis Batch: 117399

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	236.3		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 890-8716-3 MS
Matrix: Solid
Analysis Batch: 117399

Client Sample ID: HA-10
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<9.96	U	249	237.7		mg/Kg		94	90 - 110		

Lab Sample ID: 890-8716-3 MSD
Matrix: Solid
Analysis Batch: 117399

Client Sample ID: HA-10
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.96	U	249	237.7		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 117176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-117176/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 117214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-117214/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 117390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-1	HA-9	Total/NA	Solid	5035	
890-8716-2	HA-9	Total/NA	Solid	5035	
890-8716-3	HA-10	Total/NA	Solid	5035	
890-8716-4	HA-10	Total/NA	Solid	5035	
890-8716-5	HA-11	Total/NA	Solid	5035	
890-8716-6	HA-11	Total/NA	Solid	5035	
890-8716-7	HA-12	Total/NA	Solid	5035	
MB 880-117390/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117390/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117390/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 117391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-8	HA-12	Total/NA	Solid	5035	
MB 880-117391/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-117391/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-117391/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8716-8 MS	HA-12	Total/NA	Solid	5035	
890-8716-8 MSD	HA-12	Total/NA	Solid	5035	

Analysis Batch: 117423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-1	HA-9	Total/NA	Solid	8021B	117390
890-8716-2	HA-9	Total/NA	Solid	8021B	117390
890-8716-3	HA-10	Total/NA	Solid	8021B	117390
890-8716-4	HA-10	Total/NA	Solid	8021B	117390
890-8716-5	HA-11	Total/NA	Solid	8021B	117390
890-8716-6	HA-11	Total/NA	Solid	8021B	117390
890-8716-7	HA-12	Total/NA	Solid	8021B	117390
MB 880-117214/5-A	Method Blank	Total/NA	Solid	8021B	117214
MB 880-117390/5-A	Method Blank	Total/NA	Solid	8021B	117390
LCS 880-117390/1-A	Lab Control Sample	Total/NA	Solid	8021B	117390
LCSD 880-117390/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117390

Analysis Batch: 117424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-8	HA-12	Total/NA	Solid	8021B	117391
MB 880-117176/5-A	Method Blank	Total/NA	Solid	8021B	117176
MB 880-117391/5-A	Method Blank	Total/NA	Solid	8021B	117391
LCS 880-117391/1-A	Lab Control Sample	Total/NA	Solid	8021B	117391
LCSD 880-117391/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	117391
890-8716-8 MS	HA-12	Total/NA	Solid	8021B	117391
890-8716-8 MSD	HA-12	Total/NA	Solid	8021B	117391

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

GC VOA

Analysis Batch: 117502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-1	HA-9	Total/NA	Solid	Total BTEX	
890-8716-2	HA-9	Total/NA	Solid	Total BTEX	
890-8716-3	HA-10	Total/NA	Solid	Total BTEX	
890-8716-4	HA-10	Total/NA	Solid	Total BTEX	
890-8716-5	HA-11	Total/NA	Solid	Total BTEX	
890-8716-6	HA-11	Total/NA	Solid	Total BTEX	
890-8716-7	HA-12	Total/NA	Solid	Total BTEX	
890-8716-8	HA-12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 117339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-1	HA-9	Total/NA	Solid	8015NM Prep	
890-8716-2	HA-9	Total/NA	Solid	8015NM Prep	
890-8716-3	HA-10	Total/NA	Solid	8015NM Prep	
890-8716-4	HA-10	Total/NA	Solid	8015NM Prep	
890-8716-5	HA-11	Total/NA	Solid	8015NM Prep	
890-8716-6	HA-11	Total/NA	Solid	8015NM Prep	
890-8716-7	HA-12	Total/NA	Solid	8015NM Prep	
890-8716-8	HA-12	Total/NA	Solid	8015NM Prep	
MB 880-117339/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-117339/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-117339/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 117448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-1	HA-9	Total/NA	Solid	8015B NM	117339
890-8716-2	HA-9	Total/NA	Solid	8015B NM	117339
890-8716-3	HA-10	Total/NA	Solid	8015B NM	117339
890-8716-4	HA-10	Total/NA	Solid	8015B NM	117339
890-8716-5	HA-11	Total/NA	Solid	8015B NM	117339
890-8716-6	HA-11	Total/NA	Solid	8015B NM	117339
890-8716-7	HA-12	Total/NA	Solid	8015B NM	117339
890-8716-8	HA-12	Total/NA	Solid	8015B NM	117339
MB 880-117339/1-A	Method Blank	Total/NA	Solid	8015B NM	117339
LCS 880-117339/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	117339
LCSD 880-117339/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	117339

Analysis Batch: 117565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-1	HA-9	Total/NA	Solid	8015 NM	
890-8716-2	HA-9	Total/NA	Solid	8015 NM	
890-8716-3	HA-10	Total/NA	Solid	8015 NM	
890-8716-4	HA-10	Total/NA	Solid	8015 NM	
890-8716-5	HA-11	Total/NA	Solid	8015 NM	
890-8716-6	HA-11	Total/NA	Solid	8015 NM	
890-8716-7	HA-12	Total/NA	Solid	8015 NM	
890-8716-8	HA-12	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

HPLC/IC

Leach Batch: 117356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-1	HA-9	Soluble	Solid	DI Leach	
890-8716-2	HA-9	Soluble	Solid	DI Leach	
890-8716-3	HA-10	Soluble	Solid	DI Leach	
890-8716-4	HA-10	Soluble	Solid	DI Leach	
890-8716-5	HA-11	Soluble	Solid	DI Leach	
890-8716-6	HA-11	Soluble	Solid	DI Leach	
890-8716-7	HA-12	Soluble	Solid	DI Leach	
890-8716-8	HA-12	Soluble	Solid	DI Leach	
MB 880-117356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-117356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-117356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8716-3 MS	HA-10	Soluble	Solid	DI Leach	
890-8716-3 MSD	HA-10	Soluble	Solid	DI Leach	

Analysis Batch: 117399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8716-1	HA-9	Soluble	Solid	300.0	117356
890-8716-2	HA-9	Soluble	Solid	300.0	117356
890-8716-3	HA-10	Soluble	Solid	300.0	117356
890-8716-4	HA-10	Soluble	Solid	300.0	117356
890-8716-5	HA-11	Soluble	Solid	300.0	117356
890-8716-6	HA-11	Soluble	Solid	300.0	117356
890-8716-7	HA-12	Soluble	Solid	300.0	117356
890-8716-8	HA-12	Soluble	Solid	300.0	117356
MB 880-117356/1-A	Method Blank	Soluble	Solid	300.0	117356
LCS 880-117356/2-A	Lab Control Sample	Soluble	Solid	300.0	117356
LCSD 880-117356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	117356
890-8716-3 MS	HA-10	Soluble	Solid	300.0	117356
890-8716-3 MSD	HA-10	Soluble	Solid	300.0	117356

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-9

Date Collected: 08/21/25 11:05
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8716-1

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			5.05 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117502	08/24/25 16:22	SA	EET MID
Total/NA	Analysis	8015 NM		1			117565	08/26/25 04:18	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 04:18	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 18:40	CS	EET MID

Client Sample ID: HA-9

Date Collected: 08/21/25 11:10
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8716-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 16:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117502	08/24/25 16:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			117565	08/26/25 04:34	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 04:34	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 18:46	CS	EET MID

Client Sample ID: HA-10

Date Collected: 08/21/25 11:15
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8716-3

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			5.01 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117502	08/24/25 17:03	SA	EET MID
Total/NA	Analysis	8015 NM		1			117565	08/26/25 04:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 04:50	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 18:52	CS	EET MID

Client Sample ID: HA-10

Date Collected: 08/21/25 11:20
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8716-4

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			4.98 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117502	08/24/25 17:23	SA	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Client Sample ID: HA-10

Date Collected: 08/21/25 11:20
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8716-4
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			117565	08/26/25 05:04	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 05:04	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 19:09	CS	EET MID

Client Sample ID: HA-11

Date Collected: 08/21/25 11:25
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8716-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117502	08/24/25 17:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			117565	08/26/25 05:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 05:20	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 19:14	CS	EET MID

Client Sample ID: HA-11

Date Collected: 08/21/25 11:30
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8716-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117502	08/24/25 18:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			117565	08/26/25 05:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 05:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 19:31	CS	EET MID

Client Sample ID: HA-12

Date Collected: 08/21/25 11:35
Date Received: 08/21/25 14:45

Lab Sample ID: 890-8716-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	117390	08/22/25 11:54	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117423	08/24/25 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117502	08/24/25 18:25	SA	EET MID
Total/NA	Analysis	8015 NM		1			117565	08/26/25 05:51	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 05:51	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Earth Systems Response and Restoration
Job ID: 890-8716-1
Project/Site: Johnston BE Battery 6 PVC Line
SDG: Eddy County, NM

Client Sample ID: HA-12
Lab Sample ID: 890-8716-7
Date Collected: 08/21/25 11:35
Matrix: Solid
Date Received: 08/21/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 19:37	CS	EET MID

Client Sample ID: HA-12
Lab Sample ID: 890-8716-8
Date Collected: 08/21/25 11:40
Matrix: Solid
Date Received: 08/21/25 14:45

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	117391	08/22/25 11:58	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	117424	08/24/25 10:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			117502	08/24/25 10:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			117565	08/26/25 06:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	117339	08/22/25 07:49	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	117448	08/26/25 06:21	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	117356	08/22/25 10:25	SI	EET MID
Soluble	Analysis	300.0		1			117399	08/22/25 19:43	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Earth Systems Response and Restoration
Job ID: 890-8716-1
Project/Site: Johnston BE Battery 6 PVC Line
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

Method Summary

Client: Earth Systems Response and Restoration
Project/Site: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
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: Johnston BE Battery 6 PVC Line

Job ID: 890-8716-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8716-1	HA-9	Solid	08/21/25 11:05	08/21/25 14:45	0.5
890-8716-2	HA-9	Solid	08/21/25 11:10	08/21/25 14:45	4
890-8716-3	HA-10	Solid	08/21/25 11:15	08/21/25 14:45	0.5
890-8716-4	HA-10	Solid	08/21/25 11:20	08/21/25 14:45	4
890-8716-5	HA-11	Solid	08/21/25 11:25	08/21/25 14:45	0.5
890-8716-6	HA-11	Solid	08/21/25 11:30	08/21/25 14:45	4
890-8716-7	HA-12	Solid	08/21/25 11:35	08/21/25 14:45	0.5
890-8716-8	HA-12	Solid	08/21/25 11:40	08/21/25 14:45	4

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

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Chain of Custody

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

Wc

890-8716 Chain of Custody

8/26/2025

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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Johnston BE Battery 6 PVC Line	Turn Around	
Project Number:	6874	☑ Routine	☐ Rush
Project Location:	Eddy County, NM	Due Date:	Routine TAT
Sampler's Name:	Santiago Giron	TAT starts the day received by the lab, if received by 4:30pm	
CC/WO #:			

SAMPLE RECEIPT

Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-6.4
Total Containers:		Corrected Temperature:	-6.2

ANALYSIS REQUEST (Parameters; Pres. Code)

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth (feet)	Grab/ Comp	# of Cont	TPH -NM	Chloride-NM	BTEX-NM	Hold	24 Hr Rush
HA-9	S	8.21.25	11:05	0.5	Grab/	1	X	X	X		
HA-9	S	8.21.25	11:10	4	Grab/	1	X	X	X		
HA-10	S	8.21.25	11:15	0.5	Grab/	1	X	X	X		
HA-10	S	8.21.25	11:20	4	Grab/	1	X	X	X		
HA-11	S	8.21.25	11:25	0.5	Grab/	1	X	X	X		
HA-11	S	8.21.25	11:30	4	Grab/	1	X	X	X		
HA-12	S	8.21.25	11:35	0.5	Grab/	1	X	X	X		
HA-12	S	8.21.25	11:40	4	Grab/	1	X	X	X		

Preservative Codes

None: NO	DI Water: H_2O
Cool: Cool	MeOH: Me
HCL: HC	HNO_3: HN
H_2SO_4: H_2	NaOH: Na
H_3PO_4: HP	
$NaHSO_4$: NABIS	
$Na_2S_2O_3$: $NaSO_3$	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Comments

Incident Number

nJMW1323539109/RP-1858

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed Hg: 1631 / 245.1 / 7470 / 7471

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
0 [signature]	[signature]	8/21 1445			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Teel, Brianna	Carrier Tracking No(s): N/A	COC No: 890-5792.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Brianna.Teel@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-8716-1
Address: 1211 W. Florida Ave, ,	Due Date Requested: 8/27/2025			Preservation Codes: -
City: Midland	TAT Requested (days): N/A			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: johnston BE Battery 6 PVC Line	Project #: 88002337			
Site: N/A	SSOW#: N/A			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=waste/oil, BT=Tissue, A=Air)	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:
			Preservation Code:										
HA-9 (890-8716-1)	8/21/25	11:05 Mountain	G	Solid			X	X	X	X	X	1	
HA-9 (890-8716-2)	8/21/25	11:10 Mountain	G	Solid			X	X	X	X	X	1	
HA-10 (890-8716-3)	8/21/25	11:15 Mountain	G	Solid			X	X	X	X	X	1	
HA-10 (890-8716-4)	8/21/25	11:20 Mountain	G	Solid			X	X	X	X	X	1	
HA-11 (890-8716-5)	8/21/25	11:25 Mountain	G	Solid			X	X	X	X	X	1	
HA-11 (890-8716-6)	8/21/25	11:30 Mountain	G	Solid			X	X	X	X	X	1	
HA-12 (890-8716-7)	8/21/25	11:35 Mountain	G	Solid			X	X	X	X	X	1	
HA-12 (890-8716-8)	8/21/25	11:40 Mountain	G	Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Teddy Randell Lee	Date/Time: 8/22/25 0800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2/4.1 IR-8 (-0.1)

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8716-1
SDG Number: Eddy County, NM

Login Number: 8716
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	

Login Sample Receipt Checklist

Client: Earth Systems Response and Restoration

Job Number: 890-8716-1
SDG Number: Eddy County, NM

Login Number: 8716
List Number: 2
Creator: Laing, Edmundo

List Source: Eurofins Midland
List Creation: 08/22/25 08:17 AM

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

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QUESTIONS

Action 565947

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 565947
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nJMW1323539109**
Incident Name	**NJMW1323539109 JOHNSTON BE BATTERY 6" PVC LINE @ FJMW1323538962**
Incident Type	**Natural Gas Release**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fJMW1323538962] Johnston BE Battery 6" PVC line**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Johnston BE Battery 6" PVC line
Date Release Discovered	08/02/2013
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Pipeline (Any) | Produced Water | Released: 1,100 BBL | Recovered: 1,040 BBL | Lost: 60 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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.*

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QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Ivan Jimenez Title: Environmental Tech Email: ijimenez@kinetik.com Date: 03/24/2026

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QUESTIONS (continued)

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	Action Number: 565947
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and 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)	9130
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	81.2
GRO+DRO (EPA SW-846 Method 8015M)	81.2
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	04/20/2026
On what date will (or did) the final sampling or liner inspection occur	05/01/2026
On what date will (or was) the remediation complete(d)	05/29/2026
What is the estimated surface area (in square feet) that will be reclaimed	8927
What is the estimated volume (in cubic yards) that will be reclaimed	1323
What is the estimated surface area (in square feet) that will be remediated	8927
What is the estimated volume (in cubic yards) that will be remediated	1323
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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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: Ivan Jimenez Title: Environmental Tech Email: ijimenez@kinetik.com Date: 03/24/2026
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.	

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QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**496993**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/21/2025**
What was the (estimated) number of samples that were to be gathered	**15**
What was the sampling surface area in square feet	**10000**

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	No

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CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 303 Veterans Airpark Lane Midland, TX 79705	OGRID: 221115
	Action Number: 565947
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All areas inside the boundary of “Inferred Release Area” will need to have 5-point composite confirmation soil samples conducted including the area that overlaps Incident 2RP-3650. Please collect confirmation samples, representing no more than 200 ft2. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria for site receptor characterization/proven depth to water determination. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The release area will need to meet reclamation standards in the OCD Spill Rule. The work will need to be completed in 90 days after the report has been reviewed.	3/25/2026